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U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS  
CORPS OF ENGINEERS

STAGES AND DISCHARGES  
OF THE  
MISSISSIPPI RIVER AND TRIBUTARIES  
AND  
OTHER WATERSHEDS  
IN THE  
NEW ORLEANS DISTRICT  
FOR 1990



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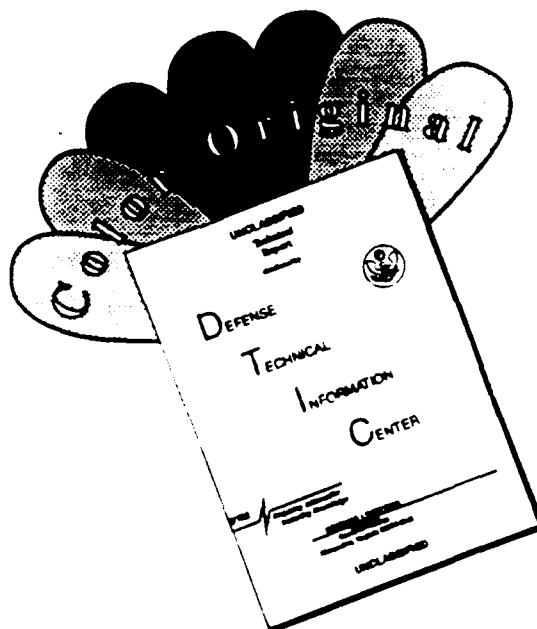
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Compiled at the office of the  
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS  
CORPS OF ENGINEERS

STAGES AND DISCHARGES  
OF THE  
MISSISSIPPI RIVER AND TRIBUTARIES  
AND  
OTHER WATERSHEDS  
IN THE  
NEW ORLEANS DISTRICT  
FOR 1990



## INTRODUCTION

THIS PAMPHLET CONTAINS THE RESULTS OF STAGE AND DISCHARGE OBSERVATIONS MADE ON THE MISSISSIPPI RIVER, ITS OUTLETS AND TRIBUTARIES, AND OTHER STREAMS AND WATERWAYS IN THE US ARMY ENGINEER DISTRICT, NEW ORLEANS, DURING THE 1990 CALENDAR YEAR.

IN ADDITION TO THE RECORDS OF THIS DISTRICT, THERE ARE CONTAINED HEREIN GAGE AND DISCHARGE DATA FURNISHED BY THE US GEOLOGICAL SURVEY, AND GAGE RECORDS FURNISHED BY THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION.

GAGES OPERATED BY THE NEW ORLEANS DISTRICT ARE GENERALLY INSPECTED AT LEAST ONCE EACH YEAR. THE DATUM USED IS THAT OF THE 1929 NATIONAL GEODETIC VERTICAL DATUM BY THE NATIONAL GEODETIC SURVEY. GAGES ARE BEING ADJUSTED TO AGREE WITH BENCHMARK CHANGES ALSO FURNISHED BY THE NATIONAL GEODETIC SURVEY. GAGE READINGS ARE CHECKED AGAINST INSPECTION REPORTS AND COMPARATIVE HYDROGRAPHS AND ARE CORRECTED WHERE THE NEED IS INDICATED.

STAGES ARE READINGS OF WATER SURFACE ELEVATIONS EXPRESSED IN FEET ABOVE THE ZERO OR REFERENCE POINT OF THE GAGE. THE REFERENCE POINT IS REFERRED TO EITHER NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD) OR MEAN LOW GULF DATUM. MEAN LOW GULF IS 0.78 FOOT BELOW NGVD. NATIONAL GEODETIC VERTICAL DATUM OF 1929 IS USED IN LIEU OF SEA LEVEL DATUM OF 1929 (MSL).

DISCHARGE IS THE QUANTITY OF WATER FLOWING PAST A CROSS SECTION OF THE STREAM IN A UNIT OF TIME. IT IS EXPRESSED IN DAY SECOND FEET.

DISCHARGE DATA CONSIST OF A BRIEF DESCRIPTION OF THE GAGING STATION, RESULTS OF DISCHARGE OBSERVATIONS, AND WHERE DETERMINED, COMPUTED DAILY FLOWS.

ANNUAL HIGHEST AND LOWEST STAGES ARE REPORTED FOR MOST OF THE DAILY GAGE STATIONS. IN DETERMINING THESE EXTREME RECORDS, ALL AVAILABLE GAGE DATA, INCLUDING CONTINUOUS RECORDER CHARTS, TWICE-DAILY GAGE READINGS, AND GAGE RECORDS TAKEN FROM DISCHARGE NOTES, INSPECTION REPORTS, ETC., ARE USED. THE TIME OF OCCURRENCE USUALLY IS REPORTED FOR THE ANNUAL HIGHEST STAGE BUT NOT FOR THE ANNUAL LOWEST STAGE.

THE TIME OF OBSERVATION REFERS TO CENTRAL STANDARD TIME.

THE ENCLOSED STREAM GAGING MAP SHOWS THE GAGING SYSTEMS OPERATED BY THE DISTRICT DURING THE REPORTING PERIOD. THE MAP CONTAINS AN INDEX FOR FINDING GAGE AND DISCHARGE RECORDS WITHIN THE PAMPHLET BY THE SYSTEM ARRANGEMENT.

RICHARD V. GORSKI  
COLONEL, CORPS OF ENGINEERS  
DISTRICT ENGINEER

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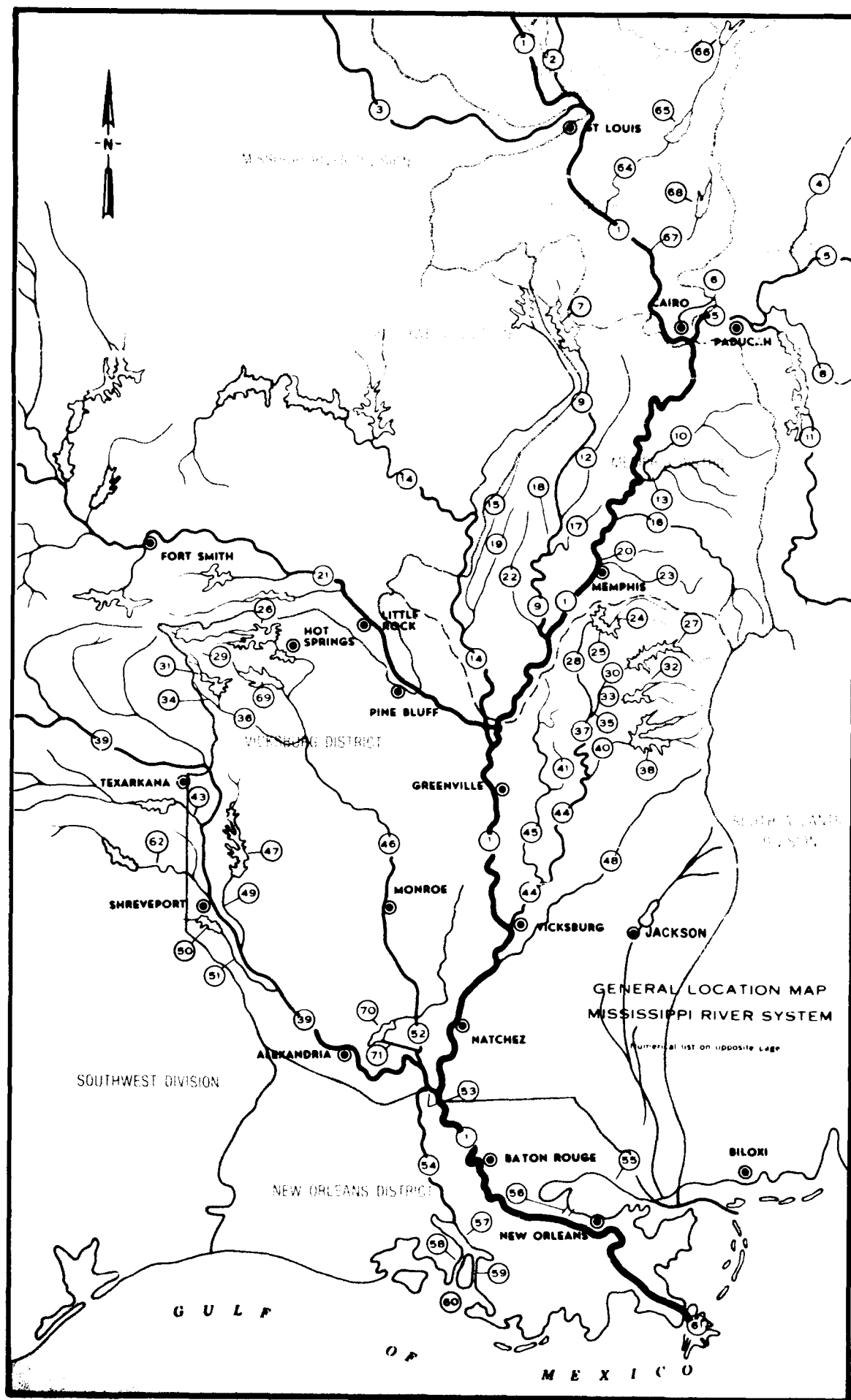


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## HIGHEST AND LOWEST STAGES OF THE MISSISSIPPI RIVER AND ITS OUTLETS AND TRIBUTARIES

LOCATION	RIVER MILES <sup>a</sup>	DRAINAGE AREA SQ MILES	BANKFULL STAGE FT	LOW-WATER STAGE <sup>b</sup>	HIGHEST STAGE				LOWEST STAGE			
					PRIOR TO 1990		1990		PRIOR TO 1990		1990	
					DATE	STAGE FT NGVD <sup>c</sup>	DATE	STAGE FT NGVD	DATE	STAGE FT NGVD <sup>c</sup>	DATE	STAGE FT NGVD
MISSISSIPPI RIVER												
NEAR KNOX LANDING, LA.	313.7	1,124,700	51	12.3	MAY 13, 1973*	61.20	JUN 13 <sup>^</sup>	56.90	JAN 28-30, 1956	8.2	JAN 2 <sup>^</sup>	17.00
RED RIVER LANDING, LA.	302.4	1,125,000	46	10.6	MAY 14-17, 1927	60.94	JUN 12	54.54	JUL 14, 1895	2.89	JAN 2	15.27
BAYOU SARA, LA.	265.4	1,125,400	36	5.3	MAY 15, 1927	55.46	JUN 12*	46.40	NOV 16, 1895	0.96	JAN 2	8.10
BATON ROUGE, LA.	228.4	1,125,810	29	2.6	MAY 8, 1912	47.28	JUN 11	37.80	NOV 14, 1894	-0.07	JAN 2	4.67
PLAQUEMINE, LA.	208.8	1,125,830	25	1.7	MAY 15, 1927	43.04	-	-	NOV 14, 1894	-0.90	-	-
DONALDSONVILLE, LA.	175.4	1,125,860	23	1.3	MAY 15, 1927	36.01	JUN 13*	28.00	JAN 12, 1918	-0.39	JAN 1	2.11
COLLEGE POINT (LA.)	157.4	1,125,870	17	1.1	MAY 15, 1927	32.32	JUN 12	25.10	JAN 12, 1918	-0.6	JAN 3	2.60
RESERVE, LA.	138.7	1,125,880	15	0.7	JUN 11, 1929	26.0	JUN 10 <sup>^</sup>	21.67	FEB 3, 1940	-0.1	JAN 2*	1.90
BONNET CARRÉ (LA.)	128.0	1,125,890	14	0.7	JUN 10, 1929	23.79	JUN 13 <sup>^</sup>	19.75	JAN 24, 25, 1940	-0.62	JAN 2 <sup>^</sup>	1.30
NEW ORLEANS (CARROLLTON), LA.	102.8	1,125,910	11	0.5	APR 25, 1922	21.27	JUN 11*	15.65	DEC 27, 1872	-1.60	JAN 1	0.96
CHALMETTE, LA.	91.0	1,125,920	8	0.1	APR 25, 1922	17.58	JUN 11*	13.51	JAN 24, 26, 1940	-0.52	JAN 2 <sup>^</sup>	0.90
WEST POINT A LA HACHE, LA.	48.7	1,125,940	3	0.1	SEP 9, 1965	#15.25	JUN 8	7.97	JAN 24, 25, 1940	-1.06	JAN 8	0.19
EMPIRE, LA.	29.5	1,125,960	1	-0.2	AUG 17, 1969	#10.92	JUN 8	6.00	JAN 19, 1977	-0.74	JAN 8	-0.15
FORT JACKSON, LA.	18.6	1,125,965	2	-0.4	AUG 17, 1969	#14.03	-	-	MAR 7, 1893+	-2.67	-	-
HEAD OF PASSÉ (LA.)	-0.6	1,125,970	1	-0.4	AUG 17, 1969	#12.03	MAY 26 <sup>^</sup>	3.40	DEC 25, 1989	-0.87	JAN 1 <sup>^</sup>	0.03
OLD RIVER OUTFLOW												
NEAR KNOX LANDING, LA.	0.5	1,124,700	49	8.0	MAY 15, 1973	59.30	JUN 11 <sup>^</sup>	42.40	JUL 16, 1964	1.32	JAN 4	7.88
OLD RIVER												
TORRAS, LA. (LOCK FOREBAY)	-	-	-	-	MAY 15, 1927	61.6	JUN 12*	54.75	NOV 4, 1939	3.3	JAN 2	15.30
ATCHAFALAYA RIVER												
SIMMESPORT, LA.	4.9	87,570	46	6.9	MAY 16, 1927	58.13	JUN 11	37.00	OCT 17, 1976	0.70	JAN 4	5.62
KROTZ SPRINGS, LA.	41.3	93,328	37	6.1	MAY 15, 1927	38.5	JUN 11	25.85	OCT 18, 1976	0.90	JAN 4	3.57
LOWER ATCHAFALAYA RIVER												
MORGAN CITY, LA.	117.7	94,800	4	-0.8	MAY 28, 1973	^10.53	JUN 15	6.74	AUG 25, 1926	-5.44	JAN 5 <sup>^</sup>	0.90

<sup>a</sup> DISTANCES OF THE MISSISSIPPI RIVER ARE MEASURED FROM HEAD OF PASSES (LA.). DISTANCES FOR STATIONS IN THE ATCHAFALAYA BASIN ARE FROM HEAD OF ATCHAFALAYA RIVER, VIA THE MAIN CHANNEL OF THE BASIN TO THE GULF. ALTHOUGH SOME GAGES HAVE BEEN MOVED, DISTANCES SHOWN REFER TO THEIR PRESENT LOCATIONS.

<sup>b</sup> REFERS EITHER TO AVERAGE LOW WATER PLANE, MEAN LOW WATER, OR LOW WATER REFERENCE PLANE.

<sup>c</sup> IN SOME CASES, THE RECORD STAGE MAY BE DETERMINED FROM A WATERMARK OR FROM A READING ON A LOCAL GAGE, SINCE ABANDONED.

\* AND LATER DATES (IN THE YEAR).

# AFFECTED BY HURRICANE.

<sup>^</sup> POSSIBLY EXCEEDED DURING PERIOD OF NO RECORD.

+ AND ALSO IN LATER YEARS.

MAXIMUM, MINIMUM, AND MEAN DISCHARGES OF THE MISSISSIPPI RIVER  
AND ITS OUTLETS AND TRIBUTARIES

LOCATION	RIVER MILE a	DRAINAGE AREA SQ MILES	MAXIMUM DISCHARGE			MINIMUM DISCHARGE			MEAN DISCHARGE D.S.F.
			PRIOR TO 1990		1990	PRIOR TO 1990		1990	
			YEAR	DISCHARGE D.S.F. b	DISCHARGE D.S.F.	YEAR	DISCHARGE D.S.F. b	DISCHARGE D.S.F.	
MISSISSIPPI RIVER TARBERT LANDING, MISS. RED RIVER LANDING, LA.	306.3 302.0	1,124,900 1,125,000	1937 1927	1,977,000 b1,779,000	1,230,000	1939 1939	85,000 75,000	188,000	614,000
OLD RIVER OUTFLOW NEAR KNOX LANDING, LA.	0.5	1,124,700	1973	610,000	331,000	1962	0	32,000	145,000
LOWER OLD RIVER TORRAS, LA.	1.0	-	1937	e519,000	-	1912	f316,000	-	-
ATCHAFALAYA RIVER SIMMESPORT, LA.	8.2	87,570	1973	781,000	529,000	1964	10,500	82,000	263,000

a DISTANCES OF THE MISSISSIPPI RIVER ARE MEASURED  
FROM HEAD OF PASSES (LA.). TRIBUTARY DISTANCES  
ARE FROM MOUTH.

b DISCHARGE MAY BE EITHER COMPUTED, MEASURED, OR ESTIMATED.  
ALSO, DISCHARGE MAY NOT BE AVAILABLE FOR THE RECORD STAGE.

e TOWARD ATCHAFALAYA RIVER

f TOWARD MISSISSIPPI RIVER

MONTHLY AND YEARLY MEAN STAGES OF THE MISSISSIPPI RIVER FOR 1990

LOCATION	MONTHLY MEAN STAGES												YEARLY MEAN STAGE
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
KNOX LANDING, LA.	31.66	49.92	52.54	48.33	50.52	55.06	38.75	28.03	24.49	23.82	23.42	31.61	38.09
RED RIVER LANDING, LA.	29.33	47.59	50.27	45.93	48.00	52.72	36.51	25.89	22.59	21.86	21.52	29.39	35.87
BAYOU SARA, LA.	21.75	39.82	42.39	38.17	39.93	44.66	28.71	17.79	14.57	-	-	22.64	31.03
BATON ROUGE, LA.	15.66	31.75	33.96	30.18	31.75	36.16	21.86	12.08	9.63	9.45	9.69	15.75	21.41
DONALDSONVILLE, LA.	9.80	23.06	24.82	21.73	22.63	26.66	14.61	7.22	5.60	5.55	5.81	9.87	14.71
COLLEGE POINT, LA.	8.78	20.84	22.34	19.50	20.55	23.84	13.24	6.99	5.67	-	-	9.02	15.01
RESERVE, LA.	6.80	17.50	19.06	16.59	17.57	20.52	11.30	5.75	4.44	4.26	4.51	6.92	11.21
NEW ORLEANS, LA.	4.72	12.60	13.77	11.99	12.71	14.78	8.02	4.23	3.48	3.33	3.32	5.09	8.13
CHALMETTE, LA.	3.99	10.87	11.81	10.30	10.98	12.73	7.00	3.82	3.02	2.85	2.78	4.31	7.13
WEST POINT A LA HACHE, LA.	1.73	6.57	6.86	6.16	6.67	7.45	4.63	2.80	2.32	2.15	2.04	2.56	4.34
EMPIRE, LA.	1.63	4.56	5.10	4.67	5.13	5.61	3.73	2.35	2.09	1.84	1.57	1.88	3.34
HEAD OF PASSES, (LA.)	-	-	-	-	2.82	2.99	2.13	1.71	1.45	0.97	0.87	0.94	1.78

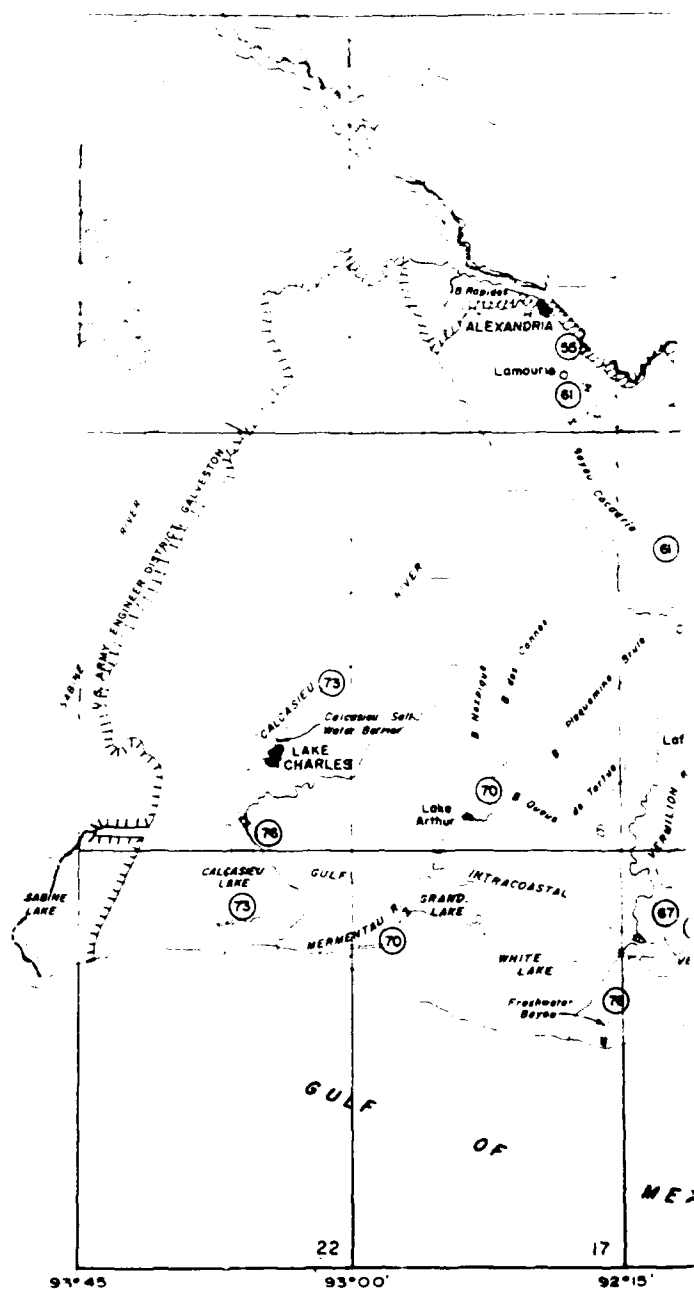
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52	East of East Atchafalaya Basin Protection Levee	94	(*)
55	Bayou des Glaisses and Vicinity	117	(*)
58	West Atchafalaya Basin Protection Levee Borrow Pit (LS and Vicinity)	124	(*)
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76	Intracoastal Waterway and Vicinity, New Orleans, La., to Calcasieu River	187	(*)
79	Delcambre Canal, Bayou Carlin, and Vicinity	218	(*)
82	Bayou LaFourche and Vicinity	219	(*)
85	Lake Pontchartrain and Vicinity	227	(*)
88	Gulf of Mexico	254	(*)

\* Discharge not included in this publication



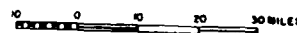


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U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS

## STREAM GAGING INDEX MAP

SCALE

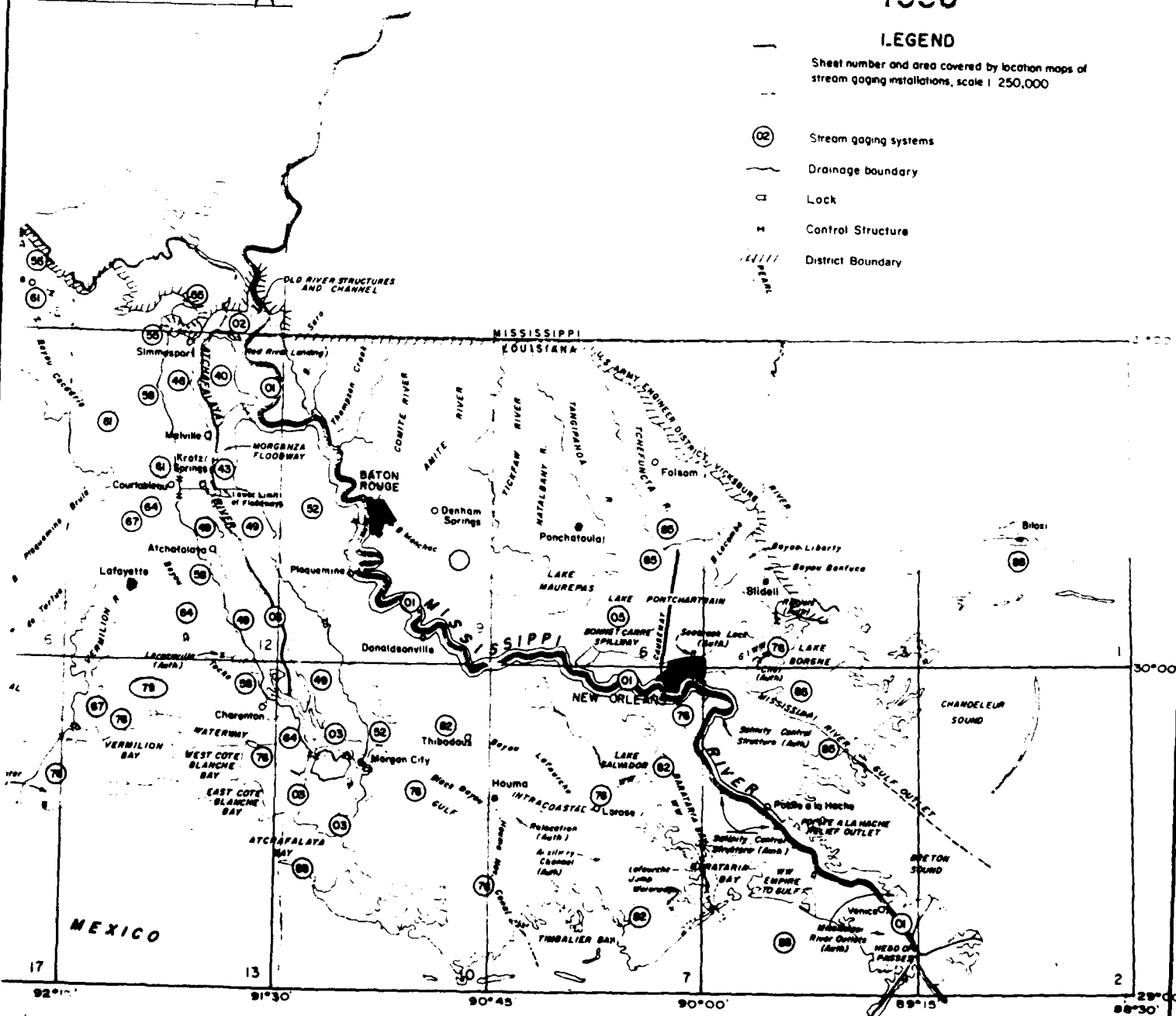


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### LEGEND

Sheet number and area covered by location maps of stream gaging installations, scale 1:250,000

- (02) Stream gaging systems
- Drainage boundary
- Lock
- Control Structure
- District Boundary



PART I  
STAGES AND DAILY DISCHARGES  
OF THE  
MISSISSIPPI RIVER AND TRIBUTARIES  
AND  
OTHER WATERSHEDS

## DAILY STAGE FOR 1990

## MISSISSIPPI RIVER NEAR KNOX LANDING, LA.

LOCATION. LAT. 31-04-25, LONG. 91-34-55. MILE 313.7 (1962 SURVEY), ON RIGHT BANK AT OLD LEVEE, ABOUT 3/4 MILE DOWNSTREAM FROM INLET CHANNEL TO OLD RIVER CONTROL STRUCTURE. (STA. 0108011.)

GAGE. AUTOMATIC RECORDER AND STAFF(S).

GENERAL INFORMATION. DRAINAGE AREA, (REVISED) ABOUT 1,124,700 SQUARE MILES (CONTRIBUTING). BANKFULL STAGE, 51 FEET. LOW WATER REFERENCE PLANE, 12.3 FEET ON GAGE. STAGE IS AFFECTED BY THE DIVERSION OF WATER THRU OLD RIVER CONTROL STRUCTURE. PRIOR TO JUNE 30, 1961, GAGE WAS ABOUT 0.8 MILE UPSTREAM.

RECORDS AVAILABLE. STAGE, OCT. 20, 1955 TO MAR. 10, 1961, AND JUNE 30, 1961 TO DATE.

EXTREMES. HIGHEST, 63.15 FEET ON MAY 31, 1983. LOWEST, 8.2 FEET FROM JAN. 28 TO 30, 1956.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	17.40	43.60	54.23	52.42	46.75	55.30	48.55	33.10	25.90	21.80	25.94	21.60
2	17.00	43.98	54.40	52.24	46.83	55.70	48.10	33.06 E	26.30	21.70	26.40	22.13
3	18.20	44.15	54.52	52.10	46.94	55.80	47.74	32.82 E	26.60	21.80	26.12	22.80
4	19.60	44.60	54.58	51.90	47.16	56.10	47.43	32.27	26.70	21.50	26.22	23.20
5	20.80	45.19	54.65	51.80	47.30	56.30	46.71	31.62	26.90	21.30	26.36	23.23
6	20.85	45.88	54.65	51.50	47.32	56.28	46.20	31.05	26.50 E	21.00	26.60	23.53
7	21.38	46.67	54.55	51.25	47.25	56.38	45.20	30.30	26.43 E	20.90	26.13	24.50
8	23.19	47.48	54.17	50.80	47.50	56.46	44.25	29.85	26.32 E	20.80	25.60	25.40
9	24.95	48.10	53.78	50.24	47.85	56.50	43.40	29.38	26.15	20.60	24.92	26.30
10	27.00	48.65	53.45	49.73	48.16	56.67	42.80	29.05	25.90	20.10	24.04	27.10
11	29.10	49.30	53.00	49.40	48.49	56.74	41.80	28.50	25.70	19.82	23.15	28.10
12	31.00	49.89	52.58	48.92	48.88	56.80	40.70	28.45	25.24	20.01	22.50	29.40
13	32.70	50.15	52.40	48.40	49.83	56.90	39.70	28.27	24.90	21.08	22.29	30.50
14	34.00	50.60	52.30	47.85	51.07	56.80 E	38.50	28.11	24.85 E	22.00	22.00	31.50
15	34.80	51.00	51.95	47.35	51.61	56.60 E	37.40	28.16	24.84	22.80	21.90	32.00
16	34.90	51.76	51.63	46.80	51.93	56.60	36.50	28.05	24.73	24.05	21.68	32.20
17	34.50	52.10	51.43	46.40	52.17	56.40	35.80	27.87	24.60	24.55	21.51	31.90
18	34.00	52.20	51.15	46.25	52.33	56.10	34.80	27.62	24.40	25.25	21.56	31.10
19	34.00	52.30	50.93	46.00	52.30	55.90	34.00	27.24	24.00	25.54	21.89	30.40
20	35.00	52.50	50.70	45.80	52.08	55.60	33.52	26.80	23.64	25.84	22.16	29.50
21	35.80	52.70	50.80	45.48	51.90	55.30	33.00	26.45	23.15	25.96	22.60	29.50
22	36.50	53.00	50.95	45.59	51.82	54.65	32.92	26.02	22.99	26.50	22.90	30.10
23	36.99	53.30	51.00	45.83	51.82	54.34	33.10	25.60	22.68	27.08	23.20	32.20
24	37.33	53.40	51.09	46.04	51.93	53.75	33.77	25.40	22.43	27.07	23.00	35.00
25	40.20	53.70	51.35	46.21	52.30	53.12	33.72	24.97	22.46	27.63	22.80	38.30
26	40.80	53.80	51.65	46.50	52.55	52.40	34.05	24.69	22.45	27.64	22.50	41.50
27	40.78	53.90	51.85	46.75	53.05	51.58	33.90	24.60	22.21	27.30	22.09	43.20
28	41.00	54.00	52.03	46.81	53.75	51.12	33.75	24.47	21.80	27.06	21.68	44.30
29	41.75	-----	52.13	46.87	54.22	50.30	33.61	24.70	22.00	26.74	21.48	45.50
30	42.59	-----	52.30	46.82	54.42	49.30	33.37	25.01	22.00	26.52	21.51	46.45
31	43.20	-----	52.43	-----	54.75	-----	33.10	25.50	-----	26.37	-----	47.50

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	31.66	49.92	52.54	48.33	50.52	55.06	38.75	28.03	24.49	23.82	23.42	31.61
MAX	43.20	54.00	54.65	52.42	54.75	56.90	48.55	33.10	26.90	27.64	26.60	47.50
MIN	17.00	43.60	50.70	45.48	46.75	49.30	32.92	24.47	21.80	19.82	21.48	21.60
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

E=ESTIMATED

THE MEAN STAGE FOR THE YEAR WAS 38.09.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 56.90 AT 8:00 A.M. ON JUN 13.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 17.00 ON JAN 2.

## DAILY STAGE FOR 1990

## MISSISSIPPI RIVER AT TARBERT LANDING, MISS.

LOCATION. LAT. 31-00-30. LONG. 91-37-25. MILE 306.3 (1962 SURVEY), ABOUT 2-1/2 MILES UPSTREAM FROM LOWER OLD RIVER. (STA. 0110011.)

GAGE. STAFF TYPE IN SEVERAL SECTIONS.

GENERAL INFORMATION. DRAINAGE AREA, (REVISED) 1,124,900 SQUARE MILES (CONTRIBUTING).

RECORDS AVAILABLE. STAGE, INTERMITTENTLY, 1932 TO DATE. DISCHARGE, 1911 TO 1913, 1928, 1929, AND 1932 TO DATE. COMPUTED DAILY, SINCE 1936.

EXTREMES. FOR STAGES, SEE RED RIVER LANDING. MAXIMUM, 1,977,000 CFS OBSERVED ON FEB. 19, 1937 (RED RIVER LANDING STAGE, 58.09 NGVD). MINIMUM, 85,000 CFS COMPUTED FOR NOV. 4, 1939 (RED RIVER LANDING STAGE, 4.69 NGVD). DISCHARGE NOT DETERMINED FOR RECORD HIGH AND LOW STAGES.

## STAGE IN FEET

GAGE ZERO IS AT NGVD (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1												
2				51.25			46.65			21.00		
3			53.15		45.70							
4						54.80			25.55	21.00		21.80
5			53.55								25.20	22.20
6								29.70	25.45			
7					46.00							
8		46.20									24.55	
9	23.25			48.90			42.40			19.85		
10									24.85			25.95
11				48.20		55.60				19.05		
12			51.50						24.25			28.15
13						55.60					21.35	
14			51.15		49.70			26.90				
15			50.80							21.75	21.00	
16				45.50			35.25					
17					50.90							
18	32.35			44.65		54.80			23.70	23.60		30.80
19			49.70								20.95	29.15
20		51.40				54.30		25.65	23.05			
21			49.65		50.60						21.60	
22	35.05	51.75						24.95		25.00		
23				44.45			31.75					
24					50.60				21.55	25.95		
25						51.70	32.30					
26												
27		52.70	50.30	45.20					21.45		21.65	
28		52.90						23.60				41.90
29		-----	50.90		52.90					25.65	20.80	
30		-----		45.50			31.90		-----		-----	
31		-----		-----	53.50	-----				25.25	-----	46.40

DAILY FLOW FOR 1990  
MISSISSIPPI RIVER AT TARBERT LANDING, MISS.--CONTINUED  
COMPUTED DAILY DISCHARGE IN THOUSAND DAY SECOND FEET

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	189	657	1081	994	740	1122	805	451	315	265	337	272
2	188	670	1085	985	742	1142	776	448	323	264	349	281
3	201	673	1098	972	746	1153	764	447	327	265	345	291
4	218	680	1103	961	750	1171	755	436	329	261	345	299
5	237	697	1105	950	753	1190	735	424	333	259	346	297
6	238	716	1108	931	756	1200	722	410	327	258	350	300
7	244	741	1108	920	759	1199	696	400	325	257	343	314
8	267	764	1096	899	764	1200	673	390	324	256	333	329
9	290	784	1066	871	776	1208	651	380	321	255	323	343
10	322	832	1050	854	786	1212	637	373	318	246	311	360
11	358	855	1030	844	800	1221	619	369	315	240	298	378
12	387	878	1005	821	810	1230	597	363	305	242	287	404
13	416	889	995	800	845	1225	576	357	302	263	283	427
14	440	900	985	781	900	1219	554	354	302	280	279	447
15	458	915	969	760	930	1212	534	351	320	290	279	454
16	461	948	950	745	951	1200	518	354	317	308	276	455
17	456	965	939	733	964	1185	506	350	315	317	273	453
18	446	973	924	724	972	1160	487	345	312	325	269	440
19	446	985	909	718	972	1144	472	340	303	328	277	425
20	469	995	904	711	961	1126	461	331	297	330	282	408
21	491	1002	901	709	951	1105	450	324	288	335	286	405
22	504	1020	900	710	945	1061	447	320	284	342	292	418
23	511	1029	904	716	940	1020	450	311	278	354	296	458
24	524	1041	904	721	948	998	463	305	273	360	296	510
25	590	1053	915	726	965	965	461	299	274	368	293	572
26	602	1061	935	734	981	942	468	294	274	372	288	628
27	600	1061	948	740	1005	910	465	293	271	366	282	665
28	604	1070	966	742	1035	884	463	291	265	362	277	724
29	618	-----	972	744	1064	854	460	296	267	355	269	763
30	634	-----	985	745	1084	830	454	299	267	351	269	798
31	649	-----	994	-----	1090	-----	451	306	-----	347	-----	835

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	421	888	995	809	893	1110	567	355	302	304	301	457
MAX	649	1070	1108	994	1090	1230	805	451	333	372	350	835
MIN	188	657	900	709	740	830	447	291	265	240	269	272
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
TOTAL FOR YEAR WAS 224,110,000 DSF.  
THE MEAN FLOW FOR THE YEAR WAS 614,000 DSF.  
MAXIMUM DAILY DISCHARGE WAS 1,230,000 DSF ON JUN 12.  
MINIMUM DAILY DISCHARGE WAS 188,000 DSF ON JAN 2.

## DAILY STAGE FOR 1990

## MISSISSIPPI RIVER AT RED RIVER LANDING, LA.

LOCATION. LAT. 30-57-39, LONG. 91-39-52. SPUR DIKE ON RIGHT BANK AT MILE 302.4 (1962 SURVEY).  
(STA. 0112012B.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. DRAINAGE AREA, (REVISED) 1,125,000 SQUARE MILES (CONTRIBUTING). BANKFULL STAGE, 46 FEET. LOW WATER REFERENCE PLANE, 10.6 FEET ON GAGE. FOR DAILY FLOWS SINCE CLOSURE OF LOWER OLD RIVER (MILE 304) ON JUL. 12, 1963, SEE TARBERT LANDING, MISS. GAGE WAS LOCATED ACROSS THE RIVER AT ANGOLA, LA. (MILE 302.6), OCT. 1923 TO JUNE 1940. STAGES ARE AVAILABLE FOR GAGE AT PHILLIPSTON, LA., (MILE 302.5) FROM JAN. 1937 TO DEC. 1945. PRIOR TO 1975 GAGE ZERO WAS 3.49 FEET NGVD.

RECORDS AVAILABLE. STAGE, 1851 TO 1923, AND MAR. 1940 TO DATE. DISCHARGE, 1851 AND INTERMITTENTLY FROM 1881 TO 1963. COMPUTED DAILY, FROM 1928 TO 1963.

EXTREMES. HIGHEST, 60.94 FEET FROM MAY 14 TO 17, 1927. LOWEST, 2.89 FEET ON NOV. 14, 1895. EXTREMES HAVE BEEN ADJUSTED TO NGVD. MAXIMUM, ABOUT 1,779,000 CFS WOULD HAVE OCCURRED FOR THE MAY 1927 FLOOD IF FLOW HAD BEEN CONFINED BETWEEN LEVEES. A DISCHARGE OF 1,595,000 CFS WAS OBSERVED BY FLOAT METHOD ON MAR. 31, 1882 (STAGE 51.79 NGVD). THIS DISCHARGE WAS AFFECTED BY CREVASSES. A DISCHARGE OF 1,520,000 CFS WAS COMPUTED FOR APR. 11 AND 12, 1945 (AT STAGES OF 58.69 AND 58.89 NGVD, RESPECTIVELY. MINIMUM, 75,000 CFS COMPUTED FOR NOV. 4, 1939 (STAGE, 4.64 NGVD AT ANGOLA).

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	15.44	41.18	52.00	50.20	44.27	52.77	46.63	30.79	23.81	20.00	23.85	19.74
2	15.27	41.60	52.00	50.00	44.30	53.16	45.80	30.70	24.27	19.90	24.45	20.17
3	16.30	41.70	52.30	49.80	44.50	53.35	45.37	30.61	24.56	20.00	24.21	20.83
4	17.60	42.10	52.40	49.60	44.60	53.58	45.00	30.16	24.64	19.75	24.28	21.30
5	18.83	42.70	52.40	49.40 E	44.70	53.88	44.36	29.50	24.81	19.69	24.39	21.17
6	18.89	43.40	52.50	49.10 E	44.80	54.01	43.87	28.84	24.50	19.35	24.50	21.50
7	19.32	44.25	52.50	48.80	44.90	54.06	42.90	28.22	24.40	19.28	24.05	22.44
8	20.88	44.99	52.20	48.40	45.05	54.15	42.00	27.76	24.30	19.10	23.60	23.30
9	22.60	45.62	51.70	47.80	45.39	54.24	41.20	27.20	24.10	18.90	22.97	24.10
10	24.50	46.24	51.40	47.40	45.70 E	54.30	40.55	26.90	23.90	18.40	22.11	25.00
11	26.56	46.95	51.00	47.20	46.00	54.50	39.74	26.60	23.75	18.15	21.28	25.90
12	28.30	47.60	50.50	46.60	46.38	54.53	38.58	26.30	23.30	18.24	20.62	27.30
13	30.15	47.90	50.30	46.00	47.20	54.45	37.50	26.10	23.16	19.32	20.33	28.35
14	31.40	48.20	50.10	45.50	48.35	54.40 E	36.30	25.90	23.12	20.24	20.19	29.25
15	32.33	48.60	49.80	44.90	49.00	54.28 E	35.20	25.70	23.00	20.80	20.00	29.77
16	32.35	49.40	49.40	44.40	49.40	54.25	34.30	25.90	22.85	22.01	19.85	29.93
17	32.15	49.70	49.20	44.00	49.70	54.03	33.70	25.45	22.73	22.63	19.68	29.70
18	31.58	49.90	48.90	43.70	49.75	53.70	32.65	25.25	22.61	23.09	19.74	29.03
19	31.55	50.10	48.60	43.50	49.80	53.47	31.90	25.00	22.20	23.27	20.01	28.23
20	32.55	50.30	48.50	43.30	49.65	53.38	31.34	24.49	21.80	23.44	20.29	27.40
21	33.60	50.50	48.50	43.15	49.40	53.04	30.83	24.17	21.30 E	23.70	20.63	27.30
22	34.07	50.80	48.40	43.25	49.35	52.53	30.66	24.01	21.10	24.10	21.00	28.00
23	34.35	51.00	48.50	43.44	49.20	52.03	30.78	23.60	20.81	24.45	21.25	29.95
24	35.00	51.20	48.50	43.57	49.40	51.51	31.44	23.31	20.60	24.96	21.20	32.53
25	38.00	51.50	48.70	43.77	49.70	50.70	31.37	22.97	20.60	25.46	20.98	35.70
26	38.50	51.60	49.10	44.05	50.00	50.10	31.70	22.72	20.54	25.61	20.65	38.60
27	38.35	51.60	49.40	44.20 E	50.50	49.34	31.53	22.60	20.38	25.31	20.34	40.50
28	38.60	51.80	49.70	44.30 E	51.10	48.65	31.44	22.58	20.06	25.08	19.92	41.80
29	39.30	-----	49.80	44.40	51.70	48.00	31.29	22.83	20.20	24.78	19.60	43.00
30	40.10	-----	50.00	44.30	52.00	47.30	31.01	22.98	20.18	24.50	19.64	44.10
31	40.70	-----	50.20	-----	52.26	-----	30.85	23.35	-----	24.27	-----	45.20

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	29.33	47.59	50.27	45.93	48.00	52.72	36.51	25.89	22.59	21.86	21.52	29.39
MAX	40.70	51.80	52.50	50.20	52.26	54.53	46.63	30.79	24.81	25.61	24.50	45.20
MIN	15.27	41.18	48.40	43.15	44.27	47.30	30.66	22.58	20.06	18.15	19.60	19.74
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

E=ESTIMATED

THE MEAN STAGE FOR THE YEAR WAS 35.87.

HIGHEST STAGE WAS 54.54 AT 4:00 P.M. ON JUN 12.

LOWEST STAGE WAS 15.27 ON JAN 2.

## DAILY STAGE FOR 1990

MISSISSIPPI RIVER AT BAYOU SARA, LA.

LOCATION. LAT. 30-45-48, LONG. 91-23-12. LEFT BANK, NEAR CONCRETE CASTING PLANT AT MILE 265.4 (1962 SURVEY). (STA. 0114009.)

GAGE. STAFF TYPE IN SEVERAL SECTIONS.

GENERAL INFORMATION. DRAINAGE AREA, (REVISED) 1,125,400 SQUARE MILES (CONTRIBUTING). BANKFULL STAGE, 36 FEET. LOW WATER REFERENCE PLANE, 5.25 FEET ON GAGE. GAGE WAS LOCATED ON RIGHT BANK FROM AUG. 13, 1930 TO AUG. 31, 1971. PRIOR TO 1975 GAGE ZERO WAS 3.76 FEET, NGVD.

RECORDS AVAILABLE. STAGE, DEC. 3, 1888 TO DATE.

EXTREMES. HIGHEST, 55.46 FEET ON MAY 15, 1927. LOWEST, 0.96 FOOT ON NOV. 16, 1895. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	8.50	33.50	44.00	42.10	36.40	44.30	38.90	22.80	15.40			
2	8.10	34.15	44.40	42.00	36.40	44.85	38.00	22.80	16.00			
3	9.00	34.30	44.45	41.95	36.60	45.30	37.50	22.65	16.30			
4	10.30	34.80	44.50	41.90	36.80	45.40	37.00	22.20	16.50			14.00
5	11.60	35.10	44.50	41.80	36.90	45.70	36.65	21.60	16.70			13.90
6	12.05	35.80	44.50	41.40	37.00	45.85	36.00	21.00	16.70			13.90
7	12.35	36.70	44.50	41.00	37.00	45.85	35.15	20.20	16.50			14.70
8	13.40	37.30	44.40	40.60	37.10	45.95	34.30	19.80	16.30			15.75
9	14.80	38.00	44.00	40.15	37.30	46.05	33.50	19.20	16.10			16.40
10	16.30	38.70	43.85	39.70	37.70	46.20	32.90	18.75	15.90			17.10
11	18.20	39.10	43.40	39.25	38.00	46.30	32.00	18.20	15.80			18.00
12	20.00	39.70	42.80	38.90	38.30	46.40	31.20	18.00	15.30			19.10
13	21.70	40.00	42.30	38.30	39.00	46.40	30.10	18.00	15.00			20.35
14	23.20	40.40	42.00	37.80	39.90	46.40	29.00	17.80	15.00			21.40
15	24.30	40.85	41.75	37.30	40.80	46.40	27.70	17.70	15.00			22.00
16	24.75	41.50	41.75	36.75	41.15	46.30	26.70	17.75	14.80			22.40
17	24.65	42.00	41.50	36.30	41.50	46.20	25.95	17.70	14.70			22.40
18	24.10	42.00	41.00	36.00	41.80	45.80	25.00	17.40	14.70			21.75
19	24.20	42.30	40.70	35.70	41.80	45.40	24.15	17.05	14.20			21.00
20	24.90	42.40	40.70	35.50	41.70	45.20	23.55	16.50	14.00			20.10
21	26.00	42.50	40.50	35.50	41.50	45.00	23.00	16.10	13.50			19.80
22	26.70	43.00	40.50	35.40	41.35	44.40	22.75	15.85	13.15			20.15
23	27.00	43.10	40.65	35.70	41.20	44.00	22.75	15.40	13.00			22.05
24	27.40	43.35	40.80	35.80	41.20	43.50	23.20	15.00	12.50			24.30
25	30.65	43.50	40.90	36.00	41.50	42.80	23.30	14.80	12.50			27.50
26	31.10	43.50	41.15	36.10	41.80	42.10	23.70	14.55	12.70			30.50
27	30.80	43.70	41.30	36.40	42.15	41.50	23.50	14.30	12.50			32.70
28	31.00	43.80	41.50	36.70	42.80	40.85	23.50	14.30	12.20			33.90
29	31.75	-----	41.80	36.70	43.30	40.00	23.30	14.40	12.10			35.15
30	32.50	-----	42.05	36.50	43.80	39.50	23.00	14.75	12.10			36.20
31	33.05	-----	42.05	-----	44.00	-----	22.90	15.00	-----	-----	-----	37.30

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	21.75	39.82	42.39	38.17	39.93	44.66	28.71	17.79	14.57			22.64
MAX	33.05	43.80	44.50	42.10	44.00	46.40	38.90	22.80	16.70			37.30
MIN	8.10	33.50	40.50	35.40	36.40	39.50	22.75	14.30	12.10			13.90
DAYS	31	28	31	30	31	30	31	31	30	0	0	28

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 301

THE MEAN STAGE FOR THE YEAR WAS 31.03.

HIGHEST STAGE WAS 44.40 AT 8:00 A.M. ON JUN 12 AND LATER DATE(S).

LOWEST STAGE WAS 8.10 ON JAN 2.

## DAILY STAGE FOR 1990

## MISSISSIPPI RIVER AT BATON ROUGE, LA.

LOCATION. LAT. 30-25-45, LONG. 91-12-25. ON FOREBAY WALL OF PORT ALLEN LOCK AT MILE 228.4 (1962 SURVEY). (STA. 0116009.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT TYPE.

GENERAL INFORMATION. DRAINAGE AREA, (REVISED) 1,125,810 SQUARE MILES (CONTRIBUTING). BANKFULL STAGE, 29 FEET. LOW WATER REFERENCE PLANE, 2.57 FEET ON GAGE. NATURAL FLOW IS AFFECTED BY TIDES AT LOW WATER. THE LOCATION OF GAGE HAS BEEN CHANGED SLIGHTLY SEVERAL TIMES DURING PERIOD OF RECORD. PRIOR TO 1975 GAGE ZERO WAS MINUS 0.52 FOOT, NGVD.

RECORDS AVAILABLE. STAGE, 1872 TO DATE. DISCHARGE, 1929, 1938 TO 1957, AND 1973 TO 1975. COMPUTED DAILY, FROM 1931 TO 1945, AND 1947 TO 1956.

EXTREMES. HIGHEST, 47.28 FEET ON MAY 15, 1927. LOWEST, MINUS 0.07 FOOT ON NOV. 14, 1894. MAXIMUM, 1,473,000 CFS OBSERVED ON APR. 16, 1945 (STAGE, 44.58 NGVD). MINIMUM 73,700 CFS OBSERVED ON OCT. 19, 1939 (STAGE, 2.58 NGVD). EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	5.23	26.25	35.50	33.70	28.63	35.85	30.90	16.37	10.05	7.97	11.28	8.62
2	4.75	26.67	35.80	33.67	28.64	36.27	30.27	16.31	10.45	7.87	11.41	8.82
3	5.07	26.93	35.85	33.63	28.74	36.60	29.75	16.18	10.80	8.07	11.62	9.85
4	6.13	27.36	35.97	33.44	28.95	36.85	29.42	15.85	11.00	8.00	11.60	9.78
5	7.20	27.65	36.05	33.20	29.05	37.02	29.00	15.30	11.24	7.85	11.74	9.46
6	7.88	28.25	36.08	32.94	29.15	37.17	28.53	14.72	11.20	7.75	11.82	9.35
7	7.85	28.94	36.05	32.70	29.18	37.26	27.83	14.23	11.09	7.73	11.70	9.90
8	8.48	29.50	35.97	32.37	29.28	37.32	27.10	13.76	10.98	7.58	11.30	10.50
9	9.48	30.06	35.66	31.93	29.55	37.38	26.30	13.23	10.84	7.52	11.13	11.00
10	10.60	30.65	35.20	31.43	29.77	37.54	25.80	12.86	10.68	7.13	10.17	11.47
11	12.10	31.17	34.83	31.20	30.03	37.67	25.20	12.53	10.54	6.67	9.39	12.22
12	13.55	31.59	34.30	30.83	30.33	37.70	24.25	12.30	10.32	6.58	8.80	13.20
13	14.95	31.90	33.96	30.30	30.85	37.70	23.37	12.23	10.03	6.85	8.45	14.31
14	16.34	32.25	33.77	29.83	31.70	37.67	22.18	12.09	9.95	7.63	8.50	15.24
15	17.37	32.58	33.54	29.40	32.38	37.68	21.12	11.98	9.88	8.33	8.48	15.92
16	17.92	33.27	33.35	28.88	32.83	37.60	20.10	11.99	9.76	9.04	8.43	16.20
17	18.01	33.55	33.05	28.52	33.16	37.43	19.35	11.95	9.73	9.67	8.41	16.19
18	17.64	33.70	32.69	28.31	33.40	37.18	18.50	11.78	9.65	10.27	8.42	15.86
19	17.71	33.90	32.36	28.09	33.40	36.92	17.75	11.52	9.45	10.57	8.62	15.26
20	18.23	34.04	32.23	27.98	33.37	36.67	17.12	11.13	9.22	10.86	8.73	14.48
21	19.09	34.18	32.18	27.80	33.20	36.41	16.57	10.82	8.90	10.88	9.00	14.13
22	19.75	34.55	32.13	27.75	33.03	35.98	16.25	10.57	8.65	11.35	9.22	14.34
23	20.06	34.67	32.17	27.92	32.90	35.65	16.22	10.15	8.38	11.56	9.46	15.50
24	20.47	34.75	32.29	28.05	32.90	35.08	16.66	9.75	8.25	11.82	9.48	17.31
25	23.33	34.95	32.50	28.18	33.04	34.47	16.80	9.42	8.07	12.08	9.33	20.03
26	23.85	35.08	32.73	28.38	33.36	33.90	17.12	9.17	8.06	12.20	9.15	22.70
27	23.58	35.27	32.93	28.61	33.72	33.26	17.08	9.10	7.98	12.14	8.98	25.03
28	23.67	35.37	33.05	28.78	34.23	32.75	17.00	9.10	7.81	11.95	8.89	26.27
29	24.30	-----	33.25	28.75	34.75	32.13	16.87	9.22	7.77	11.81	8.59	27.41
30	25.04	-----	33.53	28.70	35.20	31.56	16.68	9.37	8.05	11.65	8.50	28.46
31	25.68	-----	33.67	-----	35.47	-----	16.50	9.65	-----	11.50	-----	29.38

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	15.66	31.75	33.96	30.18	31.75	36.16	21.86	12.08	9.63	9.45	9.69	15.75
MAX	25.68	35.37	36.08	33.70	35.47	37.70	30.90	16.37	11.24	12.20	11.82	29.38
MIN	4.75	26.25	32.13	27.75	28.63	31.56	16.22	9.10	7.77	6.58	8.41	8.62
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 21.41.  
 HIGHEST STAGE WAS 37.80 AT 5:30 P.M. ON JUN 11.  
 LOWEST STAGE WAS 4.67 ON JAN 2.



## DAILY STAGE FOR 1990

MISSISSIPPI RIVER AT DONALDSONVILLE, LA.

LOCATION. LAT. 30-06-30, LONG. 90-59-15. BAYOU LAFOURCHE FRESH WATER PUMPING PLANT AT MILE 175.4 (1962 SURVEY). (STA. 0122009.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. DRAINAGE AREA, (REVISED) 1,125,860 SQUARE MILES (CONTRIBUTING). BANKFULL STAGE, 23 FEET. LOW WATER REFERENCE PLANE, 1.33 FEET ON GAGE. PRIOR TO JAN. 24, 1961, GAGE WAS ABOUT 0.2 MILE DOWNSTREAM. PRIOR TO 1975 GAGE ZERO WAS MINUS 1.19 FEET, NGVD.

RECORDS AVAILABLE. STAGE, JUNE 9, 1890 TO DATE.

EXTREMES. HIGHEST, 36.01 FEET ON MAY 15, 1927. LOWEST, MINUS 0.39 FOOT ON JAN. 12, 1918. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3.02 E	18.20	26.20	24.74	20.13 E	26.30 E	22.47	10.05	5.75 E	4.63 E	6.83 E	5.10
2	2.44	18.79	26.50	24.99	20.30 E	26.60 E	22.10	9.95	5.94	4.60 E	6.90	5.20
3	2.35	18.96	26.50	24.74 E	20.19 E	26.90 E	21.74 E	9.80	6.14	4.80 E	7.01	5.90
4	3.00	19.33	26.70	24.73 E	20.24	27.10 E	21.37	9.61	6.33 E	4.69 E	6.99 E	6.10
5	3.80	19.59	26.80	24.34 E	20.24	27.48	21.00 E	9.60	6.39 E	4.67 E	7.00	5.90
6	4.40	20.01	26.90	23.99 E	20.29	27.67	20.43 E	9.00	6.49 E	4.65 E	7.08	5.97
7	4.34	20.57	26.90	23.85 E	20.39	27.65	19.68 E	8.63	6.45 E	4.64	7.20	5.62
8	4.68	21.33 E	26.65	23.63 E	20.60	27.67	19.02	8.40	6.45 E	4.62 E	7.10	6.21
9	5.20	21.83	26.25	23.30	20.97	27.78 E	18.35	8.10	6.36 E	4.55	7.10	6.16
10	5.94	22.20	26.10	22.98	21.27	27.94 E	17.69	7.80	6.20 E	4.27	6.00	6.40
11	6.79	22.51	25.69	22.81	21.36	27.97 E	17.02	7.70	6.20	3.90	5.70	6.83
12	7.88	22.85 E	25.41	22.45	21.71	27.98	16.36	7.50	6.10	3.90	4.90	7.65
13	8.85	23.19 E	25.15	22.15	21.87 E	28.00 E	15.69 E	7.47	5.90 E	4.14 E	4.87	8.35
14	9.73	23.45 E	24.93	21.67	22.40 E	28.00	15.00	7.41	5.80 E	4.44 E	4.89	9.09
15	10.56	23.75 E	24.60 E	21.18	23.08 E	27.90	14.00	7.37	5.72 E	4.73 E	4.89	9.69
16	10.96	24.25 E	24.35 E	20.70	23.51 E	27.80	13.00	7.20	5.58	5.00	4.85	9.84
17	11.10	24.52	23.96	20.30	23.85 E	27.70 E	11.90	7.18	5.70	5.40	4.86	9.98
18	10.70	24.84	23.78	20.10	24.02 E	27.50 E	11.50	7.01	5.60	5.81	4.94	9.93
19	10.72	25.00	23.45	19.90	24.21 E	27.40	11.13	6.76	5.50	6.20	5.21	9.49
20	11.01	25.03	23.14	19.90	23.92 E	27.10	10.66	6.34	5.30 E	6.38	5.25 E	9.00
21	11.78	25.17	22.96	19.70	23.76 E	26.80	10.21	6.29	5.40 E	6.54	5.48	8.61
22	12.47	25.33 E	22.77	19.40	23.78 E	26.50	9.93	6.16	5.11 E	6.70	5.66 E	8.90
23	12.89	25.37 E	22.80	19.60	23.61 E	26.30	9.84	5.80	4.87	6.88	5.75	9.43
24	13.11	25.69 E	22.99 E	19.76	23.63 E	25.90	10.05	5.44	4.90	6.91	5.72	10.22
25	15.33	25.80 E	23.30 E	19.89	23.81 E	25.20	10.25	5.27	4.70	7.09	5.70	12.08
26	16.27	25.90	23.56 E	20.02	23.85 E	24.80	10.45	5.23	4.70	7.00 E	5.55 E	14.20
27	16.43	26.06	23.74	20.16	24.05	24.20	10.48	5.32	4.70	7.03 E	5.43	16.54
28	16.37	26.10	23.97	20.21	24.52	23.70	10.56	5.35	4.60	7.04 E	5.31	17.83
29	16.67	-----	24.35	20.32	24.85 E	23.20	10.53 E	5.36 E	4.57	7.03	5.20	18.97
30	17.27	-----	24.50	20.46 E	25.37 E	22.83	10.35	5.38 E	4.65	6.97	5.00	19.87
31 E	17.60	-----	24.62	----- E	25.80	-----	10.27	5.48	-----	6.78	-----	21.00

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	9.80	23.06	24.82	21.73	22.63	26.66	14.61	7.22	5.60	5.55	5.81	9.87
MAX	17.60	26.10	26.90	24.99	25.80	28.00	22.47	10.05	6.49	7.09	7.20	21.00
MIN	2.35	18.20	22.77	19.40	20.13	22.83	9.84	5.23	4.57	3.90	4.85	5.10
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

E=ESTIMATED

THE MEAN STAGE FOR THE YEAR WAS 14.71.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS ESTIMATED 28.00 ON JUN 13 AND LATER DATE(S).

LOWEST STAGE WAS 2.11 ON JAN 1.

## DAILY STAGE FOR 1990

## MISSISSIPPI RIVER AT COLLEGE POINT (LA.)

LOCATION. LAT. 29-59-44, LONG. 90-49-33. COLLEGE POINT LANDING AT MILE 157.4 (1962 SURVEY).  
(STA. 0124010.)

GAGE. STAFF TYPE IN SEVERAL SECTIONS.

GENERAL INFORMATION. DRAINAGE AREA, (REVISED) 1,125,870 SQUARE MILES (CONTRIBUTING). BANKFULL  
STAGE, 17 FEET. LOW WATER REFERENCE PLANE, 1.06 FEET ON GAGE. PRIOR TO 1975 GAGE ZERO WAS  
0.42 FOOT, NGVD.

RECORDS AVAILABLE. STAGE, DEC. 18, 1879 TO SEP. 30, 1885, AND DEC. 1, 1888 TO DATE.

EXTREMES. HIGHEST, 32.32 FEET ON MAY 15, 1927. LOWEST, MINUS 0.60 FOOT ON JAN. 12, 1918.  
EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3.00	16.50	23.50	22.10	18.25	23.65	19.80	9.40	5.60			5.20
2	2.70	17.00	23.80	22.10	18.30	23.90	19.35	9.20	5.80			5.50
3	2.60	17.35	23.85	22.10	18.40	24.10	18.90	9.10	6.00			5.90
4	3.05	17.65	23.90	22.00	18.50	24.35	18.70	9.20	6.20			5.90
5	3.45	17.80	23.95	21.80	18.60	24.60	18.50	8.80	6.30			5.60
6	3.70	18.20	24.00	21.55	18.65	24.70	18.10	8.40	6.50			5.25
7	4.00	18.75	24.10	21.35	18.65	24.65	17.60	8.10	6.40			5.50
8	4.20	19.30	23.95	21.15	18.75	24.70	17.10	7.85	6.30			5.60
9	4.80	19.80	23.75	20.90	19.00	24.75	16.60	7.60	6.30			5.70
10	5.30	20.15	23.50	20.50	19.10	24.90	16.05	7.45	6.30			5.80
11	6.20	20.50	23.20	20.25	19.20	24.95	15.60	7.30	6.30			6.20
12	7.15	20.70	22.80	20.00	19.50	25.05	15.10	7.25	6.20			7.00
13	7.95	20.90	22.45	19.75	20.00	25.00	14.30	7.25	6.00			7.60
14	8.70	21.10	22.30	19.40	20.35	25.00	13.50	7.20	5.80			8.20
15	9.40	21.45	22.10	19.00	20.90	25.00	12.70	7.10	5.70			8.50
16	9.80	21.85	22.00	18.50	21.30	24.90	12.00	7.00	5.70			8.70
17	9.95	22.10	21.65	18.15	21.50	24.75	11.45	7.00	5.60			8.90
18	9.65	22.30	21.30	17.90	21.75	24.65	10.90	6.80	5.60			8.90
19	9.65	22.50	21.10	17.80	21.80	24.50	10.35	6.60	5.50			8.50
20	9.70	22.55	20.90	17.95	21.70	24.30	9.90	6.40	5.50			8.10
21	10.30	22.70	20.85	17.80	21.50	24.05	9.40	6.20	5.40			7.85
22	11.00	23.00	20.85	17.70	21.55	23.70	9.00	6.10	5.40			7.80
23	11.30	22.95	20.85	17.70	21.40	23.35	9.00	5.90	5.30			8.40
24	11.50	23.05	20.85	17.80	21.40	23.00	9.20	5.60	5.30			9.20
25	13.50	23.15	21.00	17.90	21.50	22.60	9.40	5.40	5.00			10.90
26	14.45	23.25	21.25	18.15	21.80	22.15	9.65	5.40	5.00			13.00
27	14.50	23.40	21.40	18.30	21.95	21.60	9.70	5.40	4.85			15.00
28	14.60	23.55	21.50	18.55	22.30	21.20	9.80	5.40	4.80			16.20
29	14.70	-----	21.70	18.40	22.80	20.80	9.80	5.40	4.80			17.30
30	15.30	-----	21.95	18.35	23.10	20.30	9.55	5.40	4.80			18.30
31	15.95	-----	22.10	-----	23.40	-----	9.50	5.50	-----	-----	-----	19.00

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	8.78	20.84	22.34	19.50	20.55	23.84	13.24	6.99	5.67			9.02
MAX	15.95	23.55	24.10	22.10	23.40	25.05	19.80	9.40	6.50			19.00
MIN	2.60	16.50	20.85	17.70	18.25	20.30	9.00	5.40	4.80			5.20
DAYS	31	28	31	30	31	30	31	31	30	0	0	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 304

THE MEAN STAGE FOR THE YEAR WAS 15.01.

HIGHEST STAGE WAS 25.10 AT 4:00 P.M. ON JUN 12.

LOWEST STAGE WAS 2.60 ON JAN 3.

## DAILY STAGE FOR 1990

MISSISSIPPI RIVER AT RESERVE, LA.

LOCATION. LAT. 30-03-20, LONG. 90-34-07. WHARF AT MILE 138.7 (1962 SURVEY). (STA. 0126006.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT TYPE.

GENERAL INFORMATION. GAGE READ BY NATIONAL WEATHER SERVICE. DRAINAGE AREA, (REVISED)  
1,125,880 SQUARE MILES (CONTRIBUTING). BANKFULL STAGE, 15 FEET. LOW WATER REFERENCE  
PLANE, 0.7 FOOT ON GAGE.

RECORDS AVAILABLE. STAGE, 1936 TO DATE.

EXTREMES. HIGHEST, 26.0 FEET ON JUNE 11, 1929. LOWEST, MINUS 0.1 FOOT ON FEB. 3, 1940.

DAILY SEVEN A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	E	2.40	13.80	20.15	18.94	15.49 E	20.50	16.87	7.87	4.80	3.93	5.10	3.79
2	E	1.90	14.11	20.32	19.02	15.50	20.80	16.40	7.77	4.95	3.74	5.20	3.95
3	E	1.90	14.34	20.34	18.92	15.51 E	20.90 E	16.00	7.72	5.08	3.87	5.70	4.70
4	E	2.20	14.53	20.33	18.84	15.70 E	21.00	16.04	7.55	5.06	3.49	5.90	4.00
5		2.45 F	14.71	20.50	18.71	15.80	21.16	15.76	7.38	5.07	3.45	5.90	4.00
6		2.48	14.75	20.50	18.47	15.86	21.29 E	15.40	7.23	5.00	3.43	5.84	3.67
7		2.49	15.23	20.50	18.36	15.92	21.32 E	14.90	6.94	4.83	3.42	5.70	3.93
8		2.46	15.63	20.47	18.18	15.95	21.32 E	14.50	6.66	4.71	3.41	5.44	4.04
9		2.82	16.19	20.19	17.89	16.30	21.37 E	14.10	6.37	4.67	3.33	5.80	3.86
10		3.35	16.61	19.99	17.56	16.31	21.37	13.80	6.08	4.76	3.50	4.51	4.00
11		4.19	16.98	19.72	17.32	16.48	21.50	13.45	5.88	4.89	3.42	4.09	4.30
12		5.15	17.25	19.41	17.02	16.74 E	21.60	13.05	5.80	5.08	3.29	3.73	5.00
13		6.10	17.77	19.11	16.66	16.98 E	21.60	13.02	5.73	4.92	3.34	3.35	5.56
14		6.71	17.99	19.03	16.30	17.48	21.60	11.90	5.83	4.89	3.58	3.51	6.12
15		7.41	18.36	18.86	15.95	17.91	21.54	11.20	5.83	4.81	3.61	3.70	6.51
16		7.66	18.59	18.72	15.66	18.24	21.49	10.49	5.86	4.69	3.81	3.65	6.79
17		7.70	18.77	18.43	15.33	18.38	21.44	9.97	5.91	4.62	4.09	3.80	6.80
18		7.46	18.94	18.02	15.17	18.60	21.20	9.45	6.04	4.31	4.26	3.86	6.87
19		7.47	18.97 F	17.80	15.04	18.80	21.10	9.01	5.82	4.18	4.72	4.04	6.54
20		7.97	19.10 E	17.60	15.22	18.60	20.90	8.65	5.53	3.99	4.69	4.09	6.19
21		8.18	19.28	17.60	15.04	18.43	20.70	8.31	5.21	3.91	4.71	4.43	5.92
22		8.53	19.41	17.82	14.98	18.43	20.40	7.91	5.04	3.65	5.13	4.47	5.96
23		8.81	19.46	17.88	15.04	18.34	20.20	7.72	4.67	3.79	5.11	4.59	6.50
24		9.14	19.59	17.93	15.07	18.32	19.80	7.50	4.42	3.78	5.38	4.55	6.89
25		11.09	19.64	18.04	15.22	18.39	19.29	7.61	4.05	3.59	5.29	4.34	8.45
26		11.58	19.85	18.20	15.42	18.54	18.82	7.70	3.89	3.57	5.49	4.21	10.27
27		11.62	20.03	18.39	15.50	18.72	18.38	7.87	3.94	3.59	5.45	4.12	12.01
28		11.59	20.11	18.48	15.63	19.13	17.98	7.95	4.20	3.81	5.33	3.99	13.19
29		12.04	-----	18.59	15.60	19.55	17.74	7.99	4.20	3.97	5.20	3.85	14.18
30		12.60	-----	18.92	15.50	19.83	17.28	7.93	4.36	4.27	5.10	3.92	14.93
31		13.24	-----	18.95	----- E	20.30	-----	7.89	4.59	-----	5.20	----- F	15.72

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	6.80	17.50	19.06	16.59	17.57	20.52	11.30	5.75	4.44	4.26	4.51	6.92
MAX	13.24	20.11	20.50	19.02	20.30	21.60	16.87	7.87	5.08	5.49	5.90	15.72
MIN	1.90	13.80	17.60	14.98	15.49	17.28	7.50	3.89	3.57	3.29	3.35	3.67
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

E=ESTIMATED F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 11 21.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 21.67 AT 6:00 P.M. ON JUN 10.

LOWEST STAGE WAS ESTIMATED 1.90 ON JAN 2 AND LATER DATE(S).

## DAILY STAGE FOR 1990

## MISSISSIPPI RIVER AT BONNET CARRE (LA.)

LOCATION. LAT. 29-59-55, LONG. 90-26-35. ON LEFT BANK NEAR LOWER GUIDE LEVEE OF BONNET CARRE SPILLWAY AT MILE 127.1 (1962 SURVEY). (STA. 0128007.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. DRAINAGE AREA, (REVISED) 1,125,890 SQUARE MILES (CONTRIBUTING). BANKFULL STAGE, 14 FEET. LOW WATER REFERENCE PLANE, 0.68 FOOT ON GAGE. THE LOCATION OF GAGE HAS BEEN CHANGED SLIGHTLY SEVERAL TIMES DURING PERIOD OF RECORD. PRIOR TO 1974 GAGE ZERO WAS 0.08 FOOT, NGVD.

RECORDS AVAILABLE. STAGE, MAR. 19, 1930 TO 1973, 1975 TO 1980, 1982 TO DATE. BUT ONLY ABOVE TEN FEET FOR 1953 TO 1984.

EXTREMES. HIGHEST, 23.79 FEET (FROM WATERMARK) ON JUNE 10, 1929. LOWEST, MINUS 0.62 FOOT ON JAN. 24 AND 25, 1940. EXTREMES HAVE BEEN ADJUSTED TO PRESENT DATUM.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		F 12.70	F 18.20		F 14.15	F 18.50	F 7.20	4.19	3.32			
2	F 1.30	F 13.00	F 18.50	F 17.30	F 14.15	F 18.75	F 14.90	7.15	4.22	3.16		
3	F 1.80		F 18.60	F 17.05	F 14.15		F 14.60	7.19	4.31	3.50		
4			F 17.10	F 14.15					4.29	3.20	F 3.35	
5		F 13.55	F 18.60	F 16.80	F 14.30	F 19.10	F 14.30		4.41			
6	F 2.25	F 14.00	F 16.60		F 19.50	F 14.00		4.53				
7		F 14.30	F 18.75	F 14.60	F 19.45		F 6.20	4.52			F 4.20	
8		F 14.70	F 18.75				F 6.12	4.49				
9		F 15.00	F 18.60	F 16.00	F 14.90		F 5.90	4.47	F 2.50			
10				F 15.00		F 12.10		4.53	F 2.55		F 4.10	
11		F 15.90	F 17.80	F 15.70	F 15.15	F 11.80		4.67	F 2.60		F 4.60	
12		F 16.25	F 15.10	F 15.50	F 19.70	F 11.30	F 4.60	F 2.50		F 5.30		
13			F 17.50	F 16.10	F 19.65	F 10.80		4.10				
14		F 16.90	F 17.30	F 16.30	F 19.55		F 5.60		F 3.26			
15												
16	F 7.10	F 17.00	F 17.10	F 14.00	F 16.70		F 5.50	F 3.50				
17	F 7.10	F 17.30		F 13.80	F 17.00	F 19.25	F 8.70	F 5.80	F 4.10	F 3.85		
18	F 6.90		F 16.30	F 13.80	F 17.05	F 8.35	F 8.35	F 5.51	F 3.90	F 3.88	F 6.30	
19	F 7.00		F 16.10			F 8.15	F 8.00	F 5.19	F 3.60	4.67	F 5.90	
20		F 17.50				F 19.00		4.99		4.82	F 5.65	
21		F 17.75	F 16.20		F 16.75	F 18.90		4.79	F 3.50	4.81	F 5.50	
22	F 7.80	F 17.70	F 16.10	F 13.80	F 16.78	F 18.20		4.41	3.11	4.97		
23	F 8.00	F 17.60	F 16.18	F 14.00	F 16.80			4.19	3.63	4.86		
24	F 8.35			F 14.05	F 16.80		F 6.95	3.51	3.93	5.30	F 6.83	
25				F 14.05	F 16.90		F 6.95	3.58	3.10	4.50		
26	F 10.45	F 18.20	F 16.40	F 14.30		F 17.18	F 6.95	3.65		4.60		
27			F 16.70	F 14.60		F 16.80	F 7.05	3.88	F 3.00		F 11.18	
28			F 16.80			F 16.25		3.88	F 3.20		F 12.10	
29	F 10.90	-----	F 17.10	F 14.20	F 17.65	F 16.25		4.01	3.65		F 3.40	
30	F 11.45	-----	F 17.30		F 18.10			3.99	3.74		F 3.60	
31	F 12.05	-----		-----	F 18.25	-----	F 7.40	4.10	-----	-----	-----	F 14.40

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	7.32	15.84	17.38	15.21	16.08	18.58	10.14	5.06	3.99	3.82	3.50	6.88
MAX	12.05	18.20	18.75	17.30	18.25	19.75	14.90	7.20	4.67	5.30	3.60	14.40
MIN	1.30	12.70	16.10	13.80	14.15	16.25	6.95	3.51	3.00	2.50	3.40	3.35
DAYS	14	17	21	18	21	17	17	23	25	20	2	13

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 208

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 10.70.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 19.75 AT 6:25 P.M. ON JUN 13.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 1.30 ON JAN 2.

## DAILY STAGE FOR 1990

MISSISSIPPI RIVER AT NEW ORLEANS (CARROLLTON), LA.

LOCATION. LAT. 29-56-05, LONG. 90-08-10. CORPS OF ENGINEERS DOCK AT MILE 102.8 (1962 SURVEY).  
(STA. 0130007.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. DRAINAGE AREA, (REVISED) 1,125,910 SQUARE MILES (CONTRIBUTING). BANKFULL STAGE, 11.0 FEET. LOW WATER REFERENCE PLANE, 0.48 FOOT ON GAGE. NATURAL FLOW IS AFFECTED BY TIDES. GAGE PRIOR TO 1957 WAS AT MILE 103.5.

RECORDS AVAILABLE. STAGE, JAN. 12, 1872 TO DATE. DISCHARGE, INTERMITTENTLY, 1851, 1852, 1879 TO 1950, 1969, 1971, AND 1973 TO DATE. COMPUTED DAILY, 1928 TO 1936 AND 1938 TO 1944.

EXTREMES. HIGHEST, 21.27 FEET ON APR. 25, 1922. LOWEST, MINUS 1.60 FEET ON DEC. 27, 1872.  
MAXIMUM, 1,557,000 CFS WAS OBSERVED ON MAY 18, 1927 (STAGE 20.5), AT MERAUX, LA. (MILE 87.1).  
BUT FLOW WAS AFFECTED BY ARTIFICIAL CREVASSE MADE ON APR. 29 AT CAERNARVON, LA. (MILE 81.6)  
MINIMUM, 49,200 CFS OBSERVED ON NOV. 1, 1939 (STAGE, 1.2).

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1986 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.75	9.52	14.37	13.54	11.13	14.67	12.35	5.64	3.60	3.10	3.59	2.60
2	1.40	9.88	14.57	13.57	11.20	14.95	12.05	5.59	3.63	2.90	3.59	2.68
3	1.34	10.11	14.55	13.55	11.34	15.05	11.80	5.45	3.61	2.92	3.85	3.60
4	1.66	10.33	14.62	13.53	11.40	15.05	11.75	5.29	3.61	2.68	4.05	3.32
5	1.54	10.44	14.65	13.40	11.49	15.20	11.58	5.17	3.54	2.65	4.28	3.21
6	1.70	10.87	14.90	13.26	11.56	15.34	11.15	4.98	3.77	2.70	4.45	3.05
7	1.67	11.25	14.85	13.15	11.67	15.34	10.80	4.80	3.67	2.94	4.33	3.31
8	1.63	11.67	14.90	13.10	11.64	15.33	10.40	4.64	3.67	3.00	4.18	3.25
9	2.00	12.10	14.70	12.88	11.97	15.35	9.95	4.49	3.73	3.40	4.70	2.86
10	2.43	12.32	14.63	12.69	11.90	15.42	9.65	4.41	3.85	3.30	3.36	2.85
11	2.95	12.40	14.37	12.46	11.98	15.42	9.40	4.47	3.95	3.10	3.02	3.13
12	3.74	12.55	14.15	12.27	12.19	15.50	9.10	4.42	4.11	3.00	2.72	3.68
13	4.25	12.67	13.95	11.98	12.35	15.52	8.55	4.56	3.92	2.50	2.40	3.97
14	4.76	12.80	13.87	11.73	12.61	15.50	8.10	4.58	3.87	2.50	2.42	4.41
15	5.19	13.22	13.85	11.43	12.88	15.50	7.60	4.60	3.65	2.62	2.62	4.64
16	5.40	13.28	13.65	11.28	13.08	15.50	7.30	4.59	3.50	2.66	2.52	4.93
17	5.42	13.33	13.39	11.04	13.19	15.45	6.85	4.65	3.35	2.92	2.70	4.93
18	5.26	13.47	13.13	10.90	13.40	15.30	6.54	4.40	3.19	3.15	2.90	5.12
19	5.17	13.59	12.88	10.83	13.51	15.23	6.25	4.07	3.13	3.57	2.94	4.87
20	5.37	13.72	12.75	11.10	13.40	15.10	5.97	3.82	3.10	3.67	3.04	4.67
21	5.58	13.94	12.78	10.92	13.33	14.90	5.60	3.62	3.15	3.65	3.34	4.50
22	5.88	14.13	12.82	10.93	13.30	14.65	5.40	3.42	2.94	4.25	3.47	4.55
23	6.07	14.00	12.84	11.07	13.26	14.45	5.22	3.30	3.20	4.07	3.60	5.01
24	6.16	14.07	12.86	11.13	13.32	14.20	5.27	3.03	3.25	4.32	3.60	5.07
25	7.50	14.12	13.05	11.17	13.31	13.95	5.38	2.94	3.05	4.14	3.40	6.13
26	8.10	14.20	13.05	11.32	13.35	13.60	5.57	3.05	3.16	4.19	3.20	7.33
27	8.14	14.35	13.22	11.45	13.52	13.33	5.73	3.25	3.10	4.10	3.13	8.59
28	8.09	14.41	13.27	11.40	13.80	13.10	5.80	3.42	3.18	3.93	2.80	9.36
29	8.39	-----	13.34	11.35	14.09	12.90	5.79	3.41	3.20	3.89	2.70	10.14
30	8.67	-----	13.54	11.20	14.30	12.65	5.82	3.43	3.58	3.68	2.78	10.70
31	9.12	-----	13.51	-----	14.50	-----	5.78	3.57	-----	3.67	-----	11.31

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	4.72	12.60	13.77	11.99	12.71	14.78	8.02	4.23	3.48	3.53	3.32	5.09
MAX	9.12	14.41	14.90	13.57	14.50	15.52	12.35	5.64	4.11	4.32	4.70	11.31
MIN	1.34	9.52	12.75	10.83	11.13	12.65	5.22	2.94	2.94	2.50	2.40	2.60
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

E=ESTIMATED F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 8.13.

HIGHEST STAGE WAS 15.65 AT 5:00 P.M. ON JUN 11 AND LATER DATE(S).

LOWEST STAGE WAS 0.96 ON JAN 1.

## DAILY STAGE FOR 1990

## MISSISSIPPI RIVER (IWM) AT HARVEY LOCK (LA.)

LOCATION. LAT. 29-54-35, LONG. 90-05-04. ON FOREBAY LOCK WALL AT MILE 98.3 (1962 SURVEY).  
(STA. 0132007.)

GAGE. WIRE WEIGHT TYPE.

GENERAL INFORMATION. BANKFULL STAGE, 9.5 FEET. LOW WATER REFERENCE PLANE, 0.35 FOOT ON GAGE.  
PRIOR TO 1974 GAGE ZERO WAS AT M.L.G.

RECORDS AVAILABLE. STAGE, JAN. 1, 1924 TO DATE.

EXTREMES. HIGHEST, 19.42 FEET ON APR. 24, 1927. LOWEST, MINUS 0.68 FOOT ON DEC. 17 AND 18, 1953.  
EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.75	8.96	13.70	10.85	10.65	13.87	11.68	5.40	3.45	2.79	3.40	2.56
2	0.80	9.25	13.75	12.95	10.70	14.06	11.33	5.50	3.25	2.70	3.30	2.75
3	1.00	9.55	13.80	12.90	10.85	14.27	11.08	4.98	3.30	2.73	3.71	3.52
4	1.35	9.80	13.90	12.98	10.84	14.39	10.98	4.93	3.30	2.55	3.95	3.50
5	1.38	10.05	13.95	12.51	10.87	14.40	10.97	4.65	3.28	2.54	4.17	3.05
6	1.55	10.40	13.98	12.54	10.93	14.50	10.50	4.60	3.56	2.62	4.26	3.15
7	1.60	10.65	13.99	12.45	10.98	14.60	10.10	4.40	3.50	2.98	4.10	3.30
8	1.46	11.10	13.97	12.40	11.00	14.59	9.90	4.34	3.47	2.95	4.00	3.35
9	1.62	11.64	13.84	12.20	11.45	14.64	9.35	4.26	3.55	3.15	4.50	2.90
10	2.01	11.80	13.85	12.03	11.40	14.54	8.98	4.30	3.63	3.10	3.90	2.95
11	2.84	11.82	13.52	11.95	11.20	14.59	8.95	4.23	3.72	3.16	2.95	2.95
12	3.33	12.02	13.33	11.39	11.50	14.64	8.64	4.18	3.90	2.65	2.70	3.30
13	3.96	12.05	13.16	11.50	11.80	14.70	8.24	4.27	3.58	2.55	2.20	3.65
14	4.55	12.20	13.05	11.12	11.95	14.56	7.70	4.26	3.60	2.50	2.19	4.10
15	4.88	12.72	13.30	10.90	12.14	14.75	7.20	4.35	3.30	2.50	2.09	4.25
16	5.10	12.60	13.00	10.57	12.40	14.66	7.21	4.18	3.37	2.55	2.01	4.35
17	5.45	12.80	12.78	10.55	12.66	14.68	6.46	4.15	3.30	2.90	2.10	4.72
18	5.00	12.90	12.50	10.14	12.70	14.64	6.45	4.12	3.03	2.98	2.40	4.80
19	4.90	12.95	12.18	10.26	12.84	14.66	5.75	3.65	3.06	3.30	2.40	4.70
20	5.15	13.00	12.00	10.35	12.77	14.50	5.50	3.72	3.10	3.40	2.79	4.49
21	5.35	13.03	12.04	10.33	12.64	14.23	5.25	3.22	3.20	3.35	2.72	4.37
22	5.65	13.43	11.98	10.34	12.41	14.05	5.10	3.25	3.30	3.95	3.44	4.35
23	5.60	13.46	12.10	10.35	12.44	13.65	5.05	3.10	3.80	3.75	3.43	4.80
24	5.80	13.50	11.99	10.50	12.40	13.60	5.00	3.12	3.85	4.00	3.54	4.58
25	6.85	13.56	12.12	10.44	12.36	13.05	4.99	3.07	3.95	3.80	3.29	5.60
26	7.45	13.47	12.33	10.53	12.80	12.95	5.10	3.00	2.98	3.85	2.97	6.82
27	7.79	13.66	12.58	10.55	12.60	12.70	5.34	2.97	2.99	3.74	3.17	8.01
28	7.82	13.68	12.52	10.55	12.80	12.42	5.41	3.35	2.84	3.73	2.64	8.76
29	7.95	-----	12.50	10.65	13.25	12.20	5.50	3.10	2.95	3.57	2.66	9.57
30	8.20	-----	12.92	10.70	13.60	11.98	5.55	3.15	3.50	3.34	2.52	10.37
31	8.60	-----	12.78	-----	13.68	-----	5.45	3.20	-----	3.43	-----	10.71

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	4.41	12.00	13.01	11.32	12.02	14.03	7.57	3.97	3.39	3.13	3.12	4.85
MAX	8.60	13.68	13.99	12.98	13.68	14.75	11.68	5.50	3.55	4.00	4.50	10.71
MIN	0.80	8.96	11.98	10.14	10.65	11.98	4.99	2.97	2.84	2.50	2.01	2.56
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 7.70.

HIGHEST STAGE WAS 14.75 ON JUN 15.

LOWEST STAGE WAS 0.80 ON JAN 2.

## DAILY STAGE FOR 1990

MISSISSIPPI RIVER (IWW) AT INNER HARBOR NAVIGATION CANAL LOCK (LA.)

LOCATION. LAT. 29-57-46, LONG. 90-01-45. ON HANDRAIL OF FOREBAY WALL AT MILE 92.7 (1962 SURVEY).  
(STA. 0134007.)

GAGE. WIRE WEIGHT TYPE.

GENERAL INFORMATION. BANKFULL STAGE, 8.5 FEET. LOW WATER REFERENCE PLANE, 0.15 FOOT ON GAGE.  
PRIOR TO 1975 GAGE ZERO WAS MINUS 20.48 FEET, NGVD.

RECORDS AVAILABLE. STAGE, JAN. 1945 TO DATE.

EXTREMES. HIGHEST, 17.52 FEET FROM APR. 27 TO 29, 1945 AND FEB. 10 AND MAR. 4, 1950. LOWEST,  
MINUS 0.48 FOOT ON DEC. 15, 1953 AND JAN. 4, 1954. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.60	8.50	12.80	12.00	9.90	13.20	11.10	5.20	3.40	2.90	3.20	2.50
2	1.30	8.80	12.95	12.00	10.50	13.40	10.80	5.10	3.40	2.90	3.30	2.50
3	1.00	9.00	12.95	12.10	10.40	13.40	10.75	5.00	3.30	2.70	3.30	3.30
4	1.50	9.20	13.20	12.10	10.40	14.00	10.70	4.90	3.30	2.90	3.60	2.80
5	1.30	9.20	13.00	11.75	10.40	13.70	10.60	4.60	3.20	2.40	3.90	2.80
6	1.40	9.70	13.00	11.90	10.30	13.60	10.60	4.50	3.50	2.40	4.10	2.70
7	1.50	10.10	13.10	11.75	10.50	13.60	9.80	4.20	3.40	2.90	3.60	3.20
8	1.40	10.40	13.10	11.70	10.50	13.80	9.30	4.20	3.40	3.00	3.80	3.00
9	1.70	10.80	12.90	11.50	10.80	13.60	9.00	4.10	3.50	3.10	4.40	2.50
10	1.80	11.10	13.00	11.30	10.80	13.70	8.80	4.10	3.60	3.20	3.00	2.70
11	2.50	11.90	12.80	11.10	10.80	13.80	8.40	4.10	3.70	2.90	2.70	3.10
12	3.30	11.20	12.00	10.90	11.00	13.80	8.30	4.20	3.80	2.70	2.40	3.40
13	3.70	11.30	12.30	10.70	11.20	13.70	8.00	4.20	3.60	2.80	2.00	
14	4.20	11.40	12.30	10.70	11.20	13.90	7.40	4.10	3.40	2.60	2.20	3.90
15	4.60	12.00	12.20	10.30	11.50	13.90	7.50	4.20	3.40	2.40	2.10	4.50
16	4.80	11.80	12.10	10.10	11.40	13.90	6.70	4.30	3.30	2.50	2.10	4.50
17	4.60	12.00	12.00	9.70	11.80	13.60	6.30	4.30	3.30	2.70	2.20	4.40
18	4.80	11.90	11.60	9.70	11.70	13.00	6.00	4.20	3.10	2.70	2.60	4.70
19	4.60	12.30	11.20	9.70	12.20	13.70	5.90	4.00	2.90	3.50	2.50	4.40
20	5.00	12.10	11.20	9.90	12.10	13.50	5.50	3.40	3.00	3.70	2.50	4.20
21	4.90	12.40	11.20	9.90	11.90	13.40	5.00	3.30	3.00	3.30	2.50	4.00
22	5.20	12.60	11.40	9.70	11.80	13.30	4.70	3.20	2.80	3.90	3.10	4.20
23	5.50	12.40	11.40	9.90	11.70	12.90	4.70	3.00	3.10	3.70	3.30	4.50
24	5.50	12.40	11.40	10.10	11.90	12.80	4.60	2.60	3.20	4.00	3.40	4.40
25	6.70	12.40	11.50	10.90	11.70	12.70	4.70	2.60	2.60	3.60	3.20	5.50
26	7.10	12.80	11.60	10.10	11.90	12.10	4.70	2.70	2.90	3.80	3.00	6.50
27	7.30	12.70	11.70	10.30	12.50	11.90	5.20	3.10	3.00	3.40	2.60	7.50
28	6.90	12.70	12.00	10.20	12.30	11.70	5.20	3.20	2.80	3.50	3.40	8.20
29	7.50	-----	12.00	10.10	12.70	11.50	5.20	3.10	2.90	3.60	2.30	9.00
30	7.70	-----	12.30	10.10	13.00	11.40	5.40	3.20	3.30	3.50	2.50	9.50
31	8.20	-----	12.20	-----	13.40	-----	5.20	3.40	-----	3.40	-----	10.10

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	4.16	11.25	12.21	10.74	11.43	13.22	7.29	3.88	3.24	3.12	2.96	4.62
MAX	8.20	12.80	13.20	12.10	13.40	14.00	11.10	5.20	3.80	4.00	4.40	10.10
MIN	1.00	8.50	11.20	9.70	9.90	11.40	4.60	2.60	2.60	2.40	2.00	2.50
DAYS	31	28	31	30	31	30	31	31	30	31	30	30

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 364

THE MEAN STAGE FOR THE YEAR WAS 7.32.

HIGHEST STAGE WAS 14.00 ON JUN 4.

LOWEST STAGE WAS 1.00 ON JAN 3.

## DAILY STAGE FOR 1990

## MISSISSIPPI RIVER AT CHALMETTE, LA.

LOCATION. LAT. 29-56-42, LONG. 90-00-12 PIER ON UPSTREAM END OF AMERICAN SUGAR REFINERY WHARF, NEAR CHALMETTE SLIP, AND AT MILE 91.0 (1962 SURVEY). (STA. 0136007.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. DRAINAGE AREA, (REVISED) 1,125,920 SQUARE MILES (CONTRIBUTING). BANKFULL STAGE, 8.0 FEET. LOW WATER REFERENCE PLANE, 0.08 FOOT ON GAGE. GAGE PAID TO MAY 17, 1951, WAS 0.3 MILE DOWNSTREAM. SUBTRACT 0.1 FROM DAILY STAGES FROM 1954 TO 1964. PRIOR TO 1974, GAGE ZERO WAS MINUS 2.22 FEET, NGVD.

RECORDS AVAILABLE. STAGE, OCT. 23, 1923 TO DATE.

EXTREMES. HIGHEST, 17.58 FEET ON APR. 25 AND 26, 1927. LOWEST, MINUS 0.52 FOOT ON JAN. 24 AND 26, 1940. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		8.25	12.40	11.61	9.58	12.58	10.62	4.98	3.49	2.70	2.99	2.00
2	F 0.90	8.52	12.56	11.62	9.70	12.83	10.34	4.91	3.50	2.50	2.86	2.04
3	1.00	8.75	12.48	11.55	9.86	12.90	10.20	4.80	3.49	2.52	2.98	2.90
4	1.31	8.83	12.60	11.58	9.91	13.01	10.24	4.70	3.39	2.28	3.11	2.80
5	1.15	8.97	12.58	11.50	10.00	13.05	10.08	4.63	3.25	2.14	3.30	2.92
6	1.20	9.35	12.59	11.46	10.05	13.21	9.72	4.43		2.20	3.65	2.73
7	1.17	9.68	12.68	11.33	10.19	13.20	9.38	4.24		2.37	3.52	2.95
8	0.95	10.10	12.70	11.34	10.15	13.21	9.00	4.09		2.48	3.54	2.90
9	1.29	10.49	12.65		10.50	13.19	8.69	3.89		2.80	4.16	2.49
10	1.67	10.73	12.56		10.37	13.23	8.45	3.79		2.97 F	2.85	2.32
11	2.25	10.78	12.31	10.71	10.44	13.29	8.18	3.78		2.79		2.53
12	2.95	10.90	12.17	10.52	10.62	13.31	7.90		3.65	2.61		3.10
13	3.51	10.99	11.97	10.23	10.80	13.32	7.49		3.51	2.30	1.82	3.29
14	3.97	11.10	11.85	10.03	10.91	13.31	7.08	4.12	3.47	2.37	1.89	3.68
15	4.38	11.60	11.89	9.80	11.06	13.33	6.61	4.13	3.27	2.25	2.10	3.89
16	4.58	11.49	11.72	9.67	11.28	13.34	6.34	4.12	3.12	2.28	1.96	4.12
17	4.60	11.49	11.51	9.48	11.35	13.32	6.00	4.21	2.91	2.50	2.10	4.14
18	4.43	11.63	11.24	9.32	11.50	13.23	5.82		2.72	2.67	2.42	4.40
19	4.32	11.70	11.04	9.31	11.69	13.21	5.61		2.67	3.09	2.53	4.15
20	4.57	11.73	10.81	9.57	11.58	13.10	5.42		2.60	3.10	2.59	4.00
21	4.65	11.98	10.89	9.52	11.42	12.93	5.13		2.65	3.03	2.90	3.84
22	4.90	12.20	10.92	9.53		12.70	4.90	3.11	2.47	3.62	3.00	3.88
23	5.09	12.04	10.97	9.68	11.45	12.53 F	4.60	3.05	2.72	3.42	3.10	4.34
24	5.18	12.09	10.97	9.77	11.49	12.26	4.57	2.79	2.74	3.67	3.13	4.22
25	6.42	12.07	11.21	9.80	11.49	11.97	4.62	2.75	2.60	3.50	2.90	5.09
26	6.92	12.20	11.20	9.93	11.53	11.70	4.80	2.85	2.71	3.62	2.74	6.06
27	6.95	12.35	11.37	9.95	11.70	11.40	4.98	3.11	2.71	3.53	2.79	7.22
28	6.92	12.40	11.41	9.97	11.90	11.22	5.03	3.23	2.80	3.41	2.43	7.97
29	7.23	-----	11.49	9.81	12.10	11.04	5.03	3.25	2.80	3.37	2.25	8.64
30	7.49	-----	11.70	9.69	12.26	10.90	5.10	3.26	3.18	3.15	2.36	9.25
31	7.90	-----	11.57	-----	12.45	-----	5.08	3.40	-----	3.09	-----	9.70

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	3.99	10.87	11.81	10.30	10.98	12.73	7.00	3.82	3.02	2.85	2.78	4.31
MAX	7.90	12.40	12.70	11.62	12.45	13.34	10.62	4.98	3.65	3.67	4.16	9.70
MIN	0.90	8.25	10.81	9.31	9.58	10.90	4.57	2.75	2.47	2.14	1.82	2.00
DAYS	30	28	31	28	30	30	31	25	24	31	28	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 347

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 7.13.

HIGHEST STAGE WAS 13.50 AT 3:40 P.M. ON JUN 11 AND LATER DATE(S).

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 0.90 ON JAN 2.



## DAILY STAGE FOR 1990

## MISSISSIPPI RIVER (IWW) AT ALGIERS LOCK (LA.)

LOCATION. LAT. 29-54-50, LONG. 89-58-20. ON FOREBAY LOCK WALL AT MILE 88.3 (1962 SURVEY).  
(STA. 0138004.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. BANKFULL STAGE, 7.5 FEET. LOW WATER REFERENCE PLANE, 0.08 FOOT ON GAGE. PRIOR TO 1974 GAGE ZERO WAS MINUS 0.22 FOOT, M.L.G.

RECORDS AVAILABLE. STAGE, MAY 1, 1956 TO DATE.

EXTREMES. HIGHEST, 16.11 FEET ON APR. 7, 1973. LOWEST, MINUS 0.15 FOOT ON JAN. 19, 1981.  
EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.78	7.98	11.88	11.17	9.25	12.19	10.41	4.73	3.10	2.54	2.81	1.97
2	1.07	7.90	11.99	11.20	9.28	12.39	10.09	4.75	3.07	2.36	2.79	1.93
3	0.93	8.68	11.95	11.14	9.48	12.45	9.84	4.55	2.97	2.35	2.93	2.78
4	1.14	8.53	12.04	11.20	9.60	12.58	9.78	4.47	2.81	2.12	3.20	2.70
5	0.98	8.62	12.06	11.01	9.65	12.60	9.78	4.36	2.77	2.00	3.39	2.68
6	1.24	9.08	12.11	10.98	9.70	12.70	9.46	4.10	2.92	2.05	3.68	2.36
7	0.91	9.50	12.15	10.84	9.28	12.71	9.06	3.98	2.86	2.20	3.57	2.74
8	0.97	9.78	12.22	10.89	9.72	12.73	8.75	3.85	2.90	2.34	2.98	2.73
9	1.35	10.17	12.10	10.73	10.10	12.75	8.41	3.70	2.94	2.64	3.82	2.28
10	1.53	10.37	12.13	10.51	9.93	12.80	8.16	3.69	3.10	2.85	2.51	2.21
11	2.20	10.02	11.90	10.25	9.98	12.84	7.90	3.76	3.22	2.60	2.30	2.38
12	2.68	10.60	11.76	10.13	10.17	12.85	7.70	3.73	3.40	2.44	2.03	2.92
13	3.30	10.70	11.57	9.84	10.24	12.81	7.33	3.90	3.30	2.12	1.80	2.84
14	3.87	10.77	11.48	9.68	10.51	12.84	6.98	3.91	3.25	2.19	1.10	3.28
15	4.05	11.10	11.53	9.44	10.67	12.90	6.56	3.98	3.05	2.09	1.20	3.53
16	4.33	11.05	11.39	9.30	10.85	12.90	6.32	3.90	2.90	2.08	2.03	3.83
17	4.40	11.05	11.14	9.12	10.97	12.92	5.95	3.89	2.74	2.35	2.05	3.78
18	4.35	11.17	10.88	9.00	11.15	12.84	5.62	3.67	2.52	2.57	2.38	4.09
19	4.18	11.25	10.65	8.95	11.30	12.80	5.40	3.35	2.54	2.95	2.15	3.90
20	4.30	11.30	10.42	9.27	11.25	12.60	5.32	3.15	2.50	3.07	2.49	3.90
21	4.52	11.60	10.45	9.17	11.19	12.48	4.95	2.94	2.60	3.03	2.40	3.72
22	4.68	11.72	10.42	9.03	11.16	12.26	4.79	2.87	2.40	3.36	2.55	3.74
23	4.74	11.55	10.47	9.34	11.09	12.07	4.43	2.78	2.66	3.19	2.65	4.16
24	4.85	11.60	10.57	9.43	11.10	11.88	4.49	2.53	2.73	3.42	2.70	3.98
25	6.15	11.55	10.84	9.37	11.03	11.61	4.54	2.50	2.48	3.22	2.58	4.90
26	6.67	11.75	10.76	9.48	11.14	11.34	4.73	2.60	2.76	3.28	2.61	6.00
27	6.64	11.80	11.00	9.55	11.32	11.11	4.90	2.82	2.58	3.15	2.51	6.85
28	6.65	11.85	11.00	9.50	11.37	11.02	4.94	2.97	2.63	3.00	2.32	7.43
29	7.09	-----	11.05	9.48	11.67	10.81	4.95	3.00	2.70	3.15	2.15	8.21
30	7.18	-----	11.24	9.34	11.84	10.63	4.93	3.03	3.09	2.94	2.23	8.79
31	7.49	-----	11.15	-----	12.14	-----	4.91	3.14	-----	2.94	-----	9.29

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	3.75	10.47	11.36	9.94	10.58	12.31	6.82	3.57	2.85	2.66	2.53	4.06
MAX	7.49	11.85	12.22	11.20	12.14	12.92	10.41	4.75	3.40	3.42	3.82	9.29
MIN	0.91	7.90	10.42	8.95	9.25	10.63	4.43	2.50	2.40	2.00	1.10	1.93
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 6.71.

HIGHEST STAGE WAS 13.05 AT 5:15 P.M. ON JUN 10 AND LATER DATE(S).

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 0.91 ON JAN 7.

## DAILY STAGE FOR 1990

MISSISSIPPI RIVER NEAR BRAITHWAITE, LA.

LOCATION. LAT. 29-51-43, LONG. 89-58-21. ON DOCK OF AMAX NICKEL PLANT, LEFT BANK AT MILE 76.6 (1962 SURVEY). (STA. 0138604.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. BANKFULL STAGE, 7.0 FEET.

RECORDS AVAILABLE. STAGE, FEB. 26, 1977 TO DATE.

EXTREMES. HIGHEST, 12.32 FEET ON MAY 30, 1984. LOWEST, MINUS 0.40 FOOT ON JAN. 19, 1981.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1984 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					8.27		9.17					
2					8.36		8.99					
3			10.46		8.52		8.84					
4			10.50		8.57		8.82					
5			10.50				8.69					
6			10.56				8.33					
7			10.58		8.84		8.06					
8			10.67		8.77		7.76					
9			10.58		9.10		7.51					
10			10.60		8.92		7.26					
11			10.40		8.97		7.02					
12			10.30		9.17		6.86					
13			10.15		9.17		T					
14			10.00									
15			10.07									
16			9.97									
17			9.69									
18			9.47			F 11.13						
19			9.28			11.12						
20			9.07			11.06						
21			9.13			10.89						
22			9.13			10.67						
23			9.19 F	8.36								
24			9.28	8.40								
25			9.48	8.39		F 10.13						
26			9.45	8.51		9.86						
27			9.57	8.56		9.70						
28			9.61	8.48		9.61						
29		-----	9.68	8.42		9.47						
30		-----		8.33		9.39						
31		-----							-----		-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN			9.90	8.43	8.79	10.28	8.11					
MAX			10.67	8.56	9.17	11.13	9.17					
MIN			9.07	8.33	8.27	9.39	6.86					
DAYS	0	0	27	8	11	11	12	0	0	0	0	0

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 69  
 F=NOT AT STATED TIME T=TEMPORARILY INOPERATIVE  
 THE MEAN STAGE FOR THE YEAR WAS 9.30.  
 HIGHEST STAGE WAS NOT DETERMINED.  
 LOWEST STAGE WAS NOT DETERMINED.

## DAILY STAGE FOR 1990

MISSISSIPPI RIVER AT ALLIANCE, LA.

LOCATION. LAT. 29-41-07, LONG. 89-58-11. ON UPSTREAM END OF COKE DOCK OF GULF REFINERY, RIGHT BANK AT MILE 62.5 (1962 SURVEY). (STA. 0139004.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. BANKFULL STAGE, 7.0 FEET.

RECORDS AVAILABLE. STAGE, APR. 2, 1977 TO DATE.

EXTREMES. HIGHEST, 10.33 FEET ON APR. 22, 1979. LOWEST, MINUS 0.21 FOOT ON JAN. 19, 1981.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1984 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	F 1.45	5.69	8.49	8.00	7.03	8.84	7.72	4.03	2.87	2.49	2.42	1.43
2		5.85	8.59	8.04	7.08	8.96	7.57	3.95	2.92	2.27	2.30	1.44
3		6.00	8.47	7.97	7.26	8.89	7.49	3.87	2.88	2.23	2.45	2.35
4		5.94	8.51	8.05	7.29	9.04	7.51	3.75	2.71	1.94	2.68	2.12
5		6.04	8.49	7.93	7.34	9.06	7.41	3.72	2.53	1.81	2.92	2.15
6		6.36	8.50	7.89	7.35	9.15	7.10	3.53	2.60	1.82	3.18	2.02
7		6.56	8.57	7.78	7.46	9.15	6.84	3.38	2.44	2.03	3.10	2.43
8		6.90	8.66	7.81	7.39	9.15	6.59	3.23	2.41	2.14	3.14	2.33
9		7.25	8.64	7.71	7.71	9.12	6.37	3.07	2.50	2.51	F 3.45	1.73
10		7.51	8.61	7.49	7.50	9.15	6.18	3.07	2.72	2.68	2.39	1.64
11		7.47	8.51	7.39	7.55	9.17		3.13	2.94	2.58	2.15	1.80
12		7.55	8.43	7.22	7.65	9.16		3.15	3.21	2.43	1.79	2.22
13		7.65	8.29	7.21	7.65	9.19		3.33	3.12	2.18	1.48	2.22
14		7.74	8.20	7.12	7.74	9.21		3.45	3.08	2.19	1.45	2.52
15		8.16	8.34	6.96	7.86	9.22		3.61	2.88	1.96	1.63	2.65
16	F 3.42	7.91	8.20	6.87	8.00	9.27		3.70	2.75	1.87	1.43	2.96
17	3.33	7.92	7.93	6.75	8.09	9.24		3.80	2.48	2.00	1.59	2.87
18	3.20	7.95	7.72	6.66	8.12	9.20		3.54	2.27	2.07	1.78	3.16
19	3.08	7.97	7.55	6.61		9.25		3.22	2.18	2.55	1.88	3.08
20	3.25	8.04	7.37	6.63		9.19		2.95	2.10	2.48	1.99	2.95
21	3.20	8.24	7.40			9.08		2.74	2.16	2.46	2.32	2.90
22	3.30	8.30	7.47			8.91		2.42	1.97	2.94	2.47	2.94
23	3.46	8.26	7.52	F 7.15	8.35	8.75	F 3.77	2.31	2.35	2.80	2.57	3.39
24	3.54	8.26	7.62	F 7.15		8.58	3.57	2.03	2.40	3.05	2.66	3.03
25	4.35	8.22	7.84	7.15		8.36	3.61	2.05	2.18	2.88	2.45	
26	4.57	8.35	7.81	7.27	F 8.39	8.18	3.73	2.13	2.40	3.02	2.32	
27	4.71	8.48	7.90	7.32	8.38	8.07	3.92	2.45	2.37	2.95	2.41	F 5.17
28	4.75	8.53	7.81	7.25	8.47	8.02	3.98	2.62	2.52	2.82	1.98	5.39
29	5.13	-----	F 8.25	7.20	8.58	7.94	4.02	2.67	2.59	2.82	1.82	5.82
30	5.17	-----	8.08	7.08	8.65	7.90	4.10	2.68	2.98	2.57	1.90	6.20
31	5.42	-----	8.00	-----	8.80	-----	4.11	2.86	-----	2.51	-----	6.45

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	3.84	7.47	8.12	7.35	7.83	8.88	5.56	3.11	2.58	2.42	2.27	3.01
MAX	5.42	8.53	8.66	8.05	8.80	9.27	7.72	4.03	3.21	3.05	3.45	6.45
MIN	1.45	5.69	7.37	6.61	7.03	7.90	3.57	2.03	1.97	1.81	1.43	1.43
DAYS	17	28	31	27	25	30	19	31	30	31	30	29

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 328

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 5.17.

HIGHEST STAGE WAS 9.40 AT 2:30 P.M. ON JUN 9 AND LATER DATE(S).

LOWEST STAGE WAS NOT DETERMINED.

## DAILY STAGE FOR 1990

## MISSISSIPPI RIVER AT WEST POINTE A LA HACHE, LA.

LOCATION. LAT. 29-34-16, LONG. 89-47-49. ON RIGHT BANK AT PLAQUEMINES PARISH WATER INTAKE, AT MILE 48.7 (1962 SURVEY). (STA. 0140004.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. DRAINAGE AREA, (REVISED) 1,125,940 SQUARE MILES (CONTRIBUTING). BANKFULL STAGE, 3.0 FEET. LOW WATER REFERENCE PLANE, 0.06 FOOT ON GAGE. PRIOR TO 1974 GAGE ZERO WAS MINUS 0.06 FOOT, NGVD.

RECORDS AVAILABLE. STAGE, FEB. 24, 1926 TO DATE. DISCHARGE, 1927, 1929, AND 1943.

EXTREMES. HIGHEST, 15.25 FEET (NEAR CREST OF HURRICANE) ON SEP. 9, 1965. LOWEST, MINUS 1.06 FEET ON JAN. 24 AND 25, 1940. EXTREME STAGES HAVE BEEN ADJUSTED TO NGVD. MAXIMUM, 1,360,000 CFS OBSERVED ABOVE RELIEF OUTLET ON APR. 29, 1927 (STAGE, 9.64 NGVD). ON THE SAME DAY, 1,058,000 CFS WAS OBSERVED BELOW THE OUTLET. THE RELIEF OUTLET, ON THE EAST BANK, EXTENDED FROM ABOUT MILE 33 TO MILE 44. FLOW WAS AFFECTED BY A CREVASSE WHICH OCCURRED ON APR. 23 AT JUNIOR, LA. (MILE 54), AND BY AN ARTIFICIAL CREVASSE MADE ON APR. 29 AT CAERNARVON, LA. (MILE 81.6).

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1984 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.90		7.21	6.75	5.77	7.45	6.53	3.56	2.63	2.37	2.10	1.19
2	0.75		7.28	6.70	5.87	7.60	6.45	3.46	2.65	2.12	1.92	1.17
3	0.73		7.14	6.63	6.04	7.58	6.41	3.40	2.59	2.10	2.03	2.02
4	1.10		7.16	6.66	6.05	7.68	6.48	3.30	2.38	1.75	2.28	1.75
5	0.77 F	5.40	7.10	6.58	6.17	7.68	6.39	3.32	2.18	1.59	2.53	1.80
6	0.66	5.33	7.15	6.54	6.20	7.73	6.14	3.10	2.32	1.51	2.85	1.73
7	0.60	5.46	7.22	6.66	6.38	7.70	5.92	3.00	2.14	1.66	2.70	2.17
8	0.19	5.78	7.31	6.63	6.29	7.68	5.72	2.88	2.07	1.75	2.80	2.07
9	0.33	6.16	7.33	6.55	6.65	7.63	5.50	2.70	2.19	2.17	3.42	1.47
10	0.56	6.40	7.28	6.52	6.44	7.64	5.37	2.69	2.34	2.47	2.17	1.36
11	0.90	6.36	7.25	6.34	6.52	7.65	5.18	2.77	2.58	2.39	1.94	1.51
12	1.65	6.43	7.18	6.30	6.57	7.63	5.06	2.82	2.88	2.24	1.56	1.87
13	2.14	6.50	7.08	6.08	6.57	7.64	4.81	3.05	2.87	2.05	1.28	1.77
14	2.34	6.60	7.00	6.00	6.56	7.67	4.66	3.18	2.90	2.01	1.27	2.07
15	2.68	7.05	7.13	5.85	6.63	7.68	4.42	3.35	2.74	1.75	1.44	2.14
16	2.85	6.78	7.00	5.71	6.74	7.70	4.40	3.43	2.58	1.64	1.25	2.42
17	2.85	6.71	6.75	5.58	6.70	7.71	4.22	3.54	2.32	1.74	1.40	2.37
18	2.77	6.74	6.49	5.56	6.81	7.68	4.18	3.29	2.05	1.77	1.59	2.64
19	2.64	6.76	6.33	5.48	6.89	7.75	4.14	2.98	1.92	2.25	1.68	2.60
20	2.80	6.80	6.20	5.76	6.87	7.73	3.97	2.74	1.86	2.13	1.81	2.50
21	2.69	6.99	6.18	5.72	6.98	7.68	3.70	2.50	1.87	2.10	2.15	2.48
22	2.75	7.07	6.23	5.70	6.99	7.53	3.58	2.15	1.63	2.63	2.28	2.52
23	2.88	6.94	6.30	5.96	7.02	7.30	3.25	2.05	2.10	2.47	2.41	2.99
24	2.93	6.92	6.35	6.03	7.05	7.19	3.08	1.77	2.12	2.67	2.50	2.57
25		6.92	6.57	6.10	7.01	7.00	3.12	1.78	1.85	2.50	2.27	3.12
26		7.06	6.58	6.18	7.02	6.85	3.22	1.84	2.08	2.68	2.13	
27		7.20	6.72	6.22	7.05	6.75	3.42	2.17	2.13	2.62	2.20 F	4.45
28		7.23	6.73	6.11	7.13	6.70	3.47	2.38	2.34	2.50	1.80	4.57
29		-----	6.82	5.98	7.18	6.67	3.51	2.43	2.47	2.51	1.62	4.91
30		-----	6.88	5.86	7.26	6.65	3.60	2.45	2.84	2.26	1.68	5.18
31		-----	6.77	-----	7.34	-----	3.63	2.63	-----	2.17	-----	5.39

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.73	6.57	6.86	6.16	6.67	7.45	4.63	2.80	2.32	2.15	2.04	2.56
MAX	2.93	7.23	7.33	6.75	7.34	7.75	6.53	3.56	2.90	2.68	3.42	5.39
MIN	0.19	5.33	6.18	5.48	5.77	6.65	3.08	1.77	1.63	1.51	1.25	1.17
DAYS	24	24	31	30	31	30	31	31	30	31	30	30

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 353

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 4.34.

HIGHEST STAGE WAS 7.97 AT 1:45 P.M. ON JUN 8.

LOWEST STAGE WAS 0.19 ON JAN 8.

## DAILY STAGE FOR 1990

## MISSISSIPPI RIVER AT PORT SULPHUR, LA.

LOCATION. LAT. 29-28-38, LONG. 89-41-22. MILE 39.3 (1962 SURVEY), ON RIGHT BANK AT FREEPORT SULPHUR COMPANY. (STA. 0142004.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. BANKFULL STAGE, 3.0 FEET. PRIOR TO 1977 STAGES WERE PUBLISHED AS RECEIVED FROM FREEPORT SULPHUR COMPANY.

RECORDS AVAILABLE. STAGE, NOV. 22, 1933 TO OCT. 10, 1937, NOV. 10 TO 19, 1939, AND AUG. 1, 1940, TO DATE.

EXTREMES. (FROM 1941 TO DATE) HIGHEST, 9.50 FEET ON MAR. 4 AND LATER DATES IN 1950. LOWEST, MINUS 0.60 FOOT ON JAN. 19, 1977.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1984 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.01	4.20	6.30				5.57	3.25	2.50	2.22		0.94
2	0.76	4.31	6.43				5.57	3.15	2.56			0.81
3	0.72	4.38	6.28				5.56	3.11	2.58			1.72
4	1.02	4.23	6.28				5.59	3.04				1.41
5	0.62	4.25	6.18				5.57	3.14				1.48
6	0.52	4.54	6.25				5.36	2.96				1.45
7	0.49	4.63	6.28				5.14					1.94
8	0.09	4.92					5.02					1.84
9	0.26	5.27					4.85					1.16
10	0.54	5.55					4.74					1.14
11	0.83	5.49					4.55					1.28
12	1.50	5.59					4.47					1.62
13	1.93	5.72					4.23					1.48
14	2.09	5.80					4.10					1.74
15	2.44	6.23					3.93					1.77
16	2.57	5.93					3.91					2.05
17	2.59	5.87					3.78					2.03
18	2.53	5.85					3.82					2.27
19	2.26	5.87					3.79					2.25
20	2.44	5.92					3.66				1.62	2.21
21	2.28	6.06					3.43				1.96	2.16
22	2.30	6.07					3.33				2.10	2.26
23	2.41	5.99					2.97			2.11	2.24	2.68
24	2.45	6.00					2.77			2.40		2.25
25	3.17	5.98					2.76		1.97	2.23		2.70
26	3.18	6.14					2.84		2.16	2.42		3.17
27	3.29	6.30				5.76	3.04		2.15	2.40		3.65
28	3.42	6.36				5.74	3.05		2.30	2.32	1.70	3.93
29	3.86	-----				5.71	3.11	2.23	2.36	2.37	1.46	4.16
30	3.80	-----				5.64	3.24	2.29	2.75		1.51	4.39
31	3.96	-----		-----	-----	-----	3.29	2.47	-----	-----	-----	4.54

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.98	5.48	6.29			5.71	4.10	2.85	2.37	2.31	1.80	2.21
MAX	3.96	6.36	6.43			5.76	5.59	3.25	2.75	2.42	2.24	4.54
MIN	0.09	4.20	6.18			5.64	2.76	2.23	1.97	2.11	1.46	0.81
DAYS	31	28	7	0	0	4	31	9	9	8	7	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 165  
 THE MEAN STAGE FOR THE YEAR WAS 3.37.  
 HIGHEST STAGE WAS NOT DETERMINED.  
 LOWEST STAGE WAS 0.05 ON JAN 8.

DAILY STAGE FOR 1990  
MISSISSIPPI RIVER AT EMPIRE, LA.

LOCATION. LAT. 29-23-25, LONG. 89-35-45. AT ENTRANCE TO EMPIRE LOCK AT MILE 29.5 (1962 SURVEY).  
(STA. 0144004.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. DRAINAGE AREA, (REVISED) 1,125,960 SQUARE MILES (CONTRIBUTING). BANKFULL STAGE, 1.0 FOOT. LOW WATER REFERENCE PLANE, MINUS 0.21 FOOT ON GAGE.

RECORDS AVAILABLE. JAN. 1, 1960 TO AUG. 17, 1969 AND JUL. 9, 1970 TO DATE.

EXTREMES. HIGHEST, 10.92 FEET, FROM WATERMARK LEFT BY HURRICANE OF AUG. 17, 1969. LOWEST, MINUS 1.23 FEET ON JAN. 19, 1981.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1984 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.60	3.60	5.38	5.03	4.38	5.62	4.93	3.00	2.45	2.31	1.86	0.76
2	0.60	3.58	5.40	5.00	4.38	5.71	4.98	2.90	2.50	2.05	1.52	0.52
3	0.54	3.68	5.25	4.90	4.62	5.69	4.95	2.88	2.58	2.00	1.41	1.21
4	0.92	3.49	5.22	4.90	4.55	5.77	5.05	2.80	2.32	1.57	1.48	1.05
5	0.55	3.48	5.15	4.85	4.78	5.80	4.95	2.94	2.17	1.35	1.50	1.30
6	0.44	3.70	5.21	4.91	4.80	5.88	4.74	2.74	2.03	1.15	1.80	1.26
7	0.50	3.79	5.22	4.94	5.00	5.82	4.60	2.70	1.80	1.22	1.78	1.80
8	-0.08	4.05	5.35 F	5.00	4.90	5.85	4.50	2.50	1.60	1.37	2.10	1.70
9	-0.05	4.35	5.36		5.32	5.80	4.30	2.25	1.67	1.75	2.80	1.05
10	0.12	4.65	5.38		5.04	5.74	4.18	2.10	1.90	2.05	1.80	1.00
11	0.45	4.60	5.38 F	4.95	5.07	5.72	4.12	2.07	2.17	2.15		1.14
12	1.00	4.65	5.40	4.80	5.11	5.70	4.05	2.05	2.50	2.05		1.47
13	1.50	4.80	5.28	4.63	5.15	5.70	3.85	2.20	2.60	1.95 F	1.37	1.20
14	1.59	4.90	5.31	4.62	5.07	5.70	3.65	2.42	2.75	1.96	1.04	1.44
15	1.95	5.25	5.48	4.50	5.06	5.75	3.51	2.64	2.65	1.63	1.13	1.43
16	2.20	5.00	5.36	4.32	5.07	5.75	3.55	2.90	2.54	1.46	0.92	1.74
17	2.20	4.88	5.10	4.27	5.05	5.72	3.50	3.09	2.27	1.51	1.00	1.65
18	2.15	4.93	4.85	4.10	5.11	5.74	3.56	2.85	1.93	1.49	1.09	1.90
19	2.05	4.90	4.65	4.08	5.20	5.85	3.59	2.62	1.79	1.89	1.04	1.94
20	2.20	4.90	4.54	4.27	5.18	5.87	3.55	2.43	1.58	1.66	1.20	1.92
21	2.05	5.06	4.48	4.31	5.26	5.82	3.38	2.33	1.57	1.58	1.60	1.85
22	1.98	5.09	4.55	4.32	5.35	5.74	3.30	1.91	1.30	2.00	1.75	1.94
23	2.10	4.90	4.63	4.58	5.50	5.64 F	3.00	1.73	1.75	1.90	1.90	2.36
24	2.10	4.90	4.65	4.69	5.55	5.45	2.57	1.40	1.77	2.20	2.00	1.96
25	2.60	4.94	4.87	4.80	5.53	5.27	2.52	1.35	1.54	2.01	1.82	2.37
26	2.60	5.10	4.87	4.95	5.49	5.12	2.55	1.40	1.80	2.24	1.74	2.75
27	2.70	5.25	5.05	5.05	5.48	5.04	2.77	1.75	1.87	2.25	2.00 F	3.39
28	2.90	5.30	5.10	4.85	5.50	5.04	2.78	1.97	2.09	2.20	1.59	3.30
29	3.27	-----	5.15	4.74	5.45	5.00	2.85	2.18	2.41	2.27	1.35	3.49
30	3.30	-----	5.25	4.45	5.50	5.00	2.93	2.21	2.75	2.04	1.37	3.63
31	3.36	-----	5.12	-----	5.57	-----	3.02	2.40	-----	1.90	-----	3.80

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.63	4.56	5.10	4.67	5.13	5.61	3.73	2.35	2.09	1.84	1.57	1.88
MAX	3.36	5.30	5.48	5.05	5.57	5.88	5.05	3.09	2.75	2.31	2.80	3.80
MIN	-0.08	3.48	4.48	4.08	4.38	5.00	2.52	1.35	1.30	1.15	0.92	0.52
DAYS	31	28	31	28	31	30	31	31	30	31	28	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 361

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 3.34.

HIGHEST STAGE WAS 6.00 AT 12:30 P.M. ON JUN 8.

LOWEST STAGE WAS MINUS 0.15 ON JAN 8.

## DAILY STAGE FOR 1990

MISSISSIPPI RIVER AT VENICE, LA.

LOCATION. LAT. 29-16-33, LONG. 89-21-10. ON RIGHT BANK AT MILE 10.7 (1962 SURVEY).  
(STA. 0148004.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. BANKFULL STAGE, 1.0 FOOT. LOW WATER REFERENCE PLANE, MINUS 0.36 FOOT ON GAGE.

RECORDS AVAILABLE. STAGE, FEB. 1944 TO DATE.

EXTREMES. HIGHEST, 9.11 FEET, FROM WATERMARK LEFT BY HURRICANE OF AUG. 17, 1969. LOWEST, MINUS 0.77 FOOT ON DEC. 25, 1989.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1984 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.42	2.49	3.46	3.28	2.88	3.75	3.31	2.46	2.15	2.06	1.51	0.77
2	0.47 F	2.33	3.47	3.28	2.92	3.83	3.35	2.40	2.25	1.74	0.99	0.65
3	0.50	2.32	3.35	3.23	3.12	3.78	3.38	2.41	2.41	1.60	0.78	1.24
4	0.82	2.25	3.33	3.17	3.05	3.89	3.49	2.40	2.09	1.25	0.79	1.10
5	0.63	2.15	3.32	3.17	3.23	3.90	3.44	2.59	1.99	1.07	0.98	1.18
6	0.53	2.33	3.34	3.22	3.25	3.97	3.30	2.46	1.85	0.79	1.60	1.17
7	0.62	2.37	3.31	3.27	3.41	3.92	3.22	2.45	1.61	0.80	1.61	1.64
8	0.02	2.54	3.43	3.30	3.37	3.92	3.13	2.11	1.37	0.92	1.68	1.53
9	-0.26	2.81	3.45	3.26	3.81	3.85	3.00	1.93	1.44	1.13	2.11	0.94
10	-0.12	3.03	3.50	3.40	3.51	3.85	2.88	1.88	1.63	1.95	1.93	0.86
11	0.11	3.03	3.55	3.26	3.48	3.77	2.73	1.92	1.91	2.00	1.87	0.92
12	0.64	3.02	3.56	3.22	3.58	3.73	2.71	2.00	2.28	1.90	1.65	1.20
13	1.01	3.08	3.52	3.12	3.53	3.74	2.58	2.20	2.41	1.82	1.27	0.78
14	0.99	3.14	3.53	3.17	3.42	3.72	2.57	2.48	2.49	1.81	0.85	0.99
15	1.30	3.45	3.72	3.04	3.37	3.75	2.46	2.65	2.45	1.50	1.04	0.96
16	1.48	3.22	3.58	2.88	3.36	3.77	2.60	2.91	2.36	1.37	0.74	1.27
17	1.52	3.20	3.37	2.80	3.36	3.77	2.58	3.08	2.07	1.43	0.87	1.18
18	1.37	3.22	3.15	2.76	3.37	3.80	2.73	2.85	1.72	1.37	1.00	1.40
19	1.37	3.28	3.04	2.69	3.49	3.94	2.95	2.58	1.65	1.61	1.03	1.41
20	1.53	3.23	2.89	2.87	3.52	3.98	2.94	2.37	1.42	1.47	1.13	1.45
21	1.73	3.35	2.87	2.89	3.61	3.96	2.82	2.35	1.43	1.34	1.50	1.48
22	1.21	3.44	2.94	2.94	3.71	3.91	2.80	1.80	1.10	1.70	1.65	1.54
23	1.58	3.37	2.97	3.15	3.77	3.67	2.44	1.58	1.51	1.64	1.82	1.84
24	1.30	3.23	3.08	3.23	3.89	3.55	2.12	1.25	1.50	2.13	1.93	1.41
25	1.78	3.23	3.28	3.35	3.88	3.43	2.01	1.23	1.44	1.93	1.75	1.64
26	1.67	3.31	3.26	3.40	3.75	3.35	1.97	1.31	1.60	2.21	1.72	1.76
27	2.23	3.40	3.33	3.45	3.75	3.27	2.10	1.56	1.68	2.14	1.99	2.00
28	1.91	3.41	3.33	3.42	3.74	3.28	2.17	1.76	1.93	2.13	1.63	2.01
29	2.30	-----	3.47	3.27	3.62	3.29	2.25	1.87	2.14	2.18	1.32	2.10
30	2.34	-----	3.47	2.95	3.66	3.33	2.32	1.92	2.45	2.00	1.17	2.21
31	2.35	-----	3.40	-----	3.70	-----	2.40	2.17	-----	1.59	-----	2.29

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.14	2.97	3.33	3.15	3.49	3.72	2.73	2.16	1.88	1.63	1.40	1.38
MAX	2.35	3.45	3.72	3.45	3.89	3.98	3.49	3.08	2.49	2.21	2.11	2.29
MIN	-0.26	2.15	2.87	2.69	2.88	3.27	1.97	1.23	1.10	0.79	0.74	0.65
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 2.41.

HIGHEST STAGE WAS 4.24 AT 1:15 P.M. ON MAY 28.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS MINUS 0.26 ON JAN 9.

## DAILY STAGE FOR 1990

## MISSISSIPPI RIVER AT HEAD OF PASSES (LA.)

LOCATION. LAT. 29-08-35, LONG. 89-15-03. ON RIGHT BANK AT HEAD OF SOUTH PASS, 0.6 MILE DOWNSTREAM FROM ZERO MILE POINT. (STA. 0154504.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. DRAINAGE AREA, (REVISED) 1,125,970 SQUARE MILES (CONTRIBUTING). BANKFULL STAGE, 1.0 FOOT. LOW WATER REFERENCE PLANE, MINUS 0.36 FOOT ON GAGE. THE LOCATION OF GAGE HAS BEEN CHANGED SEVERAL TIMES DURING PERIOD OF RECORD.

RECORDS AVAILABLE. STAGE, NOV. 1875 TO SEP. 16, 1947, AND MAR. 31, 1948 TO DATE. DISCHARGE, INTERMITTENTLY FROM 1838 TO DATE.

EXTREMES. (SINCE JULY, 1930) HIGHEST, 12.03 FEET, FROM WATERMARK LEFT BY HURRICANE OF AUG. 17, 1969. LOWEST, MINUS 0.87 FOOT ON DEC. 25, 1989.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.15					2.97	2.55	1.94	1.81	F	1.07 F	0.52
2	0.26					3.02	2.62	1.85	1.93		F	0.97 F
3	0.46					3.03	2.65	1.89	2.05		F	0.82 F
4	0.85				F	2.18	3.09	2.72	1.92		F	1.95 F
5	1.01				2.35 F	3.10	2.66 F	2.01	1.64 F	0.85		1.39
6					2.42	3.23	2.54	1.92	1.50	0.63		F
7					2.65	3.22	2.47	1.87	1.21	0.58		1.12
8					2.58	3.22	2.43	1.76	0.98	0.62		1.16
9					3.01 F	3.11	2.29	1.50	1.00 F	0.60		0.55
10					2.80	3.20	2.20	1.45	1.24 F	1.84		0.53
11					2.79	3.12	2.03	1.42	1.43	1.22 F	0.91	0.65
12			F	2.95	2.85	3.01	1.99	1.44	1.78 F	0.45 F	0.82	0.90
13					2.80	2.98	1.85	1.64	1.95 F	0.71 F	0.73	0.49
14					2.64	2.92	1.80	1.96	2.12 F	0.86 F	0.60	0.60
15					F	2.50	2.95	1.71	2.08	2.07 F	1.10 F	0.98
16					2.65	2.97	1.89	2.40	1.97 F	1.02 F	0.48	0.67
17					2.61	2.93	1.95	2.60	1.69 F	1.03 F	0.82	0.58
18					2.55	3.00	2.28	2.43	1.36	1.07 F	0.77	0.81
19					F	2.67	3.18	2.51	1.28		F	0.58
20					2.74	3.28	2.52	2.01	1.06	1.01 F	0.61	0.87
21					2.82	3.27	2.45	1.78	1.05	0.90		0.93
22					2.90	3.22	2.46	1.46	0.77 F	1.13		1.05
23					3.12	3.03	1.98	1.27	1.15	0.97		1.36
24					3.27	2.93	1.68	0.96	1.18			1.02
25					F	3.27	2.80	1.55	0.89	1.05		1.12
26					3.30	2.67	1.54	0.91	1.05 F	0.82		1.29
27					3.26	2.57	1.64	1.17 F	1.30 F	0.85		1.55
28					3.21	2.54	1.69	1.43 F	0.64	1.14		1.55
29					3.01	2.57	1.75	1.48 F	1.65 F	1.21		1.60
30					2.98	2.56	1.77	1.55 F	1.92 F	1.37 F	0.93	1.61
31					2.94		1.87	1.78		1.34		1.57

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.55		2.95		2.82	2.99	2.13	1.71	1.45	0.97	0.87	0.94
MAX	1.01		2.95		3.30	3.28	2.72	2.60	2.12	1.84	1.95	1.61
MIN	0.15		2.95		2.18	2.54	1.54	0.89	0.64	0.45	0.48	0.27
DAYS	5	0	1	0	28	30	31	31	30	24	15	30

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 225

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.78.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 3.40 AT 9:00 A.M. ON MAY 26.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 0.03 ON JAN 1.



## DAILY STAGE FOR 1990

## SOUTHWEST PASS AT MILE 9.2 (LA.)

LOCATION. LAT. 29-01-40, LONG. 89-20-10. ON LEFT BANK AT CHEVRON OIL COMPANY DOCK, 9.1 MILES BELOW HEAD OF PASSES. (STA. 0157504.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. BANKFULL STAGE, 1.0 FOOT.

RECORDS AVAILABLE. NOV. 1971 TO DATE.

EXTREMES. HIGHEST, 4.94 FEET (AFFECTED BY WIND) ON APR. 26, 1973. LOWEST, MINUS 1.03 FEET ON JAN. 19, 1977.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.31	2.63	3.52	3.37	2.90	3.44	2.80	2.76	2.80	2.97	2.43	1.55
2	1.39	2.30	3.50	3.22	2.89	3.54	2.97	2.67	3.02	2.74	2.05	1.23
3	1.38	2.34	3.25	3.00	2.98	3.33	3.09	2.75	3.12	2.67	1.81	1.52
4	1.71	2.05	3.08	2.83	2.91	3.58	3.22	2.79	2.81	2.28	1.81	1.15
5	1.46	1.55	2.77	2.83	3.18	3.68	3.24	3.11	2.55	1.85	1.59	1.34
6	1.37	1.79	2.80	2.93	3.24	3.52	3.18	2.95	2.52	1.72	1.81	1.41
7	1.42	1.62	2.73	3.00	3.51	3.78	3.20	2.84	2.13	1.57	1.82	1.89
8	0.71	1.82	2.91	3.23	3.59	3.91	3.04	2.76	1.84	1.62	2.26	2.15
9	0.57	2.00	2.99	3.19	4.05	3.95	2.97	2.39	1.65	1.94	2.90	1.38
10	0.58	2.50	3.16	3.46	3.85	3.89	2.94	2.32	1.81	2.32	2.40	1.43
11	0.56	2.43	3.31	3.42	3.76	3.75	2.71	2.22	2.08	2.51	2.15	1.59
12	0.90	2.43	3.56	3.36	3.91	3.59	2.56	2.13	2.57	2.41	1.99	1.78
13	1.15	2.78	3.51	3.25	3.86	3.57	2.48	2.40		2.54	1.98	1.32
14	1.28	2.90	3.68	3.37	3.60	3.37	2.44	2.63		2.58	1.81	1.39
15	1.61	3.41	3.88	3.17	3.45	3.35	2.29	2.93		2.34	1.79	1.14
16	1.96	2.98	3.88	3.00	3.39	3.29	2.57	3.25		2.17	1.60	1.39
17	1.98	2.64	3.53	2.90	3.29	3.18	2.62	3.60		2.19	1.66	1.31
18	2.09	2.92	3.12	2.75	3.11	3.25	3.00	3.41		2.11	1.71	1.44
19	1.84	2.66	2.89	2.65	3.31	3.55	3.35	3.23		2.24	1.61	1.56
20	2.11	2.53	2.60	2.76	3.30	3.72	3.41	3.01		2.07	1.66	1.62
21	1.68	2.70	2.53	2.91	3.38	3.78	3.38	2.70		1.90	1.93	1.49
22	1.24	2.87	2.57	2.86	3.60	3.85	3.36	2.49		2.21	2.06	1.88
23	1.39	2.62	2.61	3.19	3.92	3.69	2.90	2.25		2.02	2.28	2.22
24	1.30	2.28	2.68	3.29	4.20	3.59	2.58	1.91		2.30	2.45	1.75
25	1.35	2.25	3.00	3.56	4.28	3.39	2.38	1.78		2.08	2.38	1.93
26	1.25	2.68	2.98	3.81	4.28	3.17	2.11	1.76		2.30	2.34	2.05
27	1.36	3.03	3.30	3.94	4.19	2.92	2.33	2.01	2.26	2.30	2.74	2.07
28	1.66	3.23	3.47	3.81	4.16	2.85	2.39	2.25	2.43	2.41	2.52	1.84
29	2.30	-----	3.72	3.52	3.71	2.84	2.44	2.32	2.76	2.57	2.13	1.73
30	2.31	-----	3.68	3.05	3.62	2.81	2.62	2.46	3.13	2.54	1.99	1.54
31	2.36	-----	3.52	-----	3.56	-----	2.64	2.69	-----	2.41	-----	1.25

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.47	2.50	3.19	3.19	3.58	3.47	2.81	2.61	2.47	2.25	2.06	1.59
MAX	2.36	3.41	3.88	3.94	4.28	3.95	3.41	3.60	3.13	2.97	2.90	2.22
MIN	0.56	1.55	2.53	2.65	2.89	2.81	2.11	1.76	1.65	1.57	1.59	1.14
DAYS	31	28	31	30	31	30	31	31	16	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 351  
 THE MEAN STAGE FOR THE YEAR WAS 2.60.  
 HIGHEST STAGE WAS 4.38 AT 11:00 A.M. ON MAY 28.  
 LOWEST STAGE WAS 0.48 ON JAN 9.

## DAILY STAGE FOR 1990

## MISSISSIPPI RIVER (SOUTHWEST PASS) AT EAST JETTY (LA.)

LOCATION. LAT. 28-55-38, LONG. 89-29-12. ON RIGHT BANK AT PILOTS STATION, ABOUT 18.2 MILES BELOW HEAD OF PASSES. (STA. 0167004 INSET.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. BANKFULL STAGE, 1.0 FOOT. PRIOR TO MAY 24, 1975, GAGE WAS LOCATED ON THE LEFT BANK APPROXIMATELY 1.4 MILES DOWNSTREAM FROM PRESENT LOCATION.

RECORDS AVAILABLE. 1926 TO NOV. 5, 1973, AND MAY 24, 1975 TO DATE.

EXTREMES. HIGHEST 5.59 FEET (CAUSED BY HURRICANE) ON OCT. 27, 1985. LOWEST, MINUS 1.60 FEET ON JAN. 25, 1940.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1						2.55	2.17	2.24	2.31	2.42	2.01	1.22
2						2.60	2.32	2.11	2.46	2.30	1.74	0.93
3						2.59	2.53	2.18	2.75	2.21	1.49	
4					2.14	2.63	2.75	2.24	2.47	1.84	1.37	
5					2.42	2.74	2.80	2.64	2.09	1.42	1.04	
6					2.50	2.94	2.79	2.41	2.19	1.27	1.31	0.62
7					2.75	3.03	2.77	2.44	1.80	1.00	1.24	0.93
8					2.84	3.15	2.76	2.28	1.30	1.10	1.71	1.68
9					3.36	3.16	2.62	2.02	1.13	1.32	2.32	0.92
10					3.13	3.18	2.65	1.83	1.25	1.55	2.03	0.77
11					3.04	3.00	2.44	1.76	1.43	1.89	1.85	0.99
12					3.25	2.82	2.39	1.70	1.90	1.74	1.63	1.12
13					3.16	2.70	2.13	1.77	2.09	2.02	1.67	0.69
14					2.87	2.55	1.98	2.00	2.48	2.05	1.41	0.73
15					2.66	2.49	1.82	2.30	2.57	1.75	1.51	0.50
16					2.55	2.37	2.07	2.68	2.60	1.72	1.27	0.68
17					2.41	2.20	2.11	3.04	2.31	1.77	1.23	0.60
18					2.10	2.31	2.59	2.96	1.94	1.65	1.36	0.78
19					2.43	2.65	2.94	2.82	1.97	1.80	1.15	0.70
20					2.28	2.87	3.06	2.68	1.72	1.60	1.17	0.90
21					2.36	3.06	3.06	2.44	1.60	1.43	1.41	0.94
22					2.64	3.21	3.05	2.18	1.19	1.70	1.50	1.15
23					3.06	3.09	2.57	1.85	1.28	1.48	1.63	1.53
24					3.44	2.96	2.08	1.25	1.43	1.73	1.88	1.79
25					3.56	2.73	2.05	1.19	1.29	1.36	1.80	1.57
26					3.70	2.48	1.82	1.19	1.43	1.82	1.78	1.39
27					3.57	2.28	1.92	1.43	1.58	1.77	2.29	1.40
28					3.53	2.15	1.84	1.63	1.85	1.96	2.16	1.19
29		-----			2.97	2.14	1.92	1.73	2.17	2.04	1.89	1.04
30		-----			2.84	2.17	2.01	1.87	2.70	2.13	2.01	0.89
31		-----		-----	2.69	-----	2.04	2.25	-----	1.97	-----	0.34

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN					2.87	2.69	2.39	2.10	1.91	1.74	1.63	1.00
MAX					3.70	3.21	3.06	3.04	2.75	2.42	2.32	1.79
MIN					2.10	2.14	1.82	1.19	1.13	1.00	1.04	0.34
DAYS	0	0	0	0	28	30	31	31	30	31	30	28

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 239  
 THE MEAN STAGE FOR THE YEAR WAS 2.04.  
 HIGHEST STAGE WAS 3.70 AT 8:00 A.M. ON MAY 26.  
 LOWEST STAGE WAS NOT DETERMINED.

## DAILY STAGE FOR 1990

SOUTH PASS AT PORT EADS, LA.

LOCATION. LAT. 29-00-53, LONG. 89-09-57. U. S. COAST GUARD WHARF, 10.8 MILES DOWNSTREAM FROM HEAD OF PASSES. (STA. 0185002.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. BANKFULL STAGE 1.0 FOOT. PRIOR TO APR. 24, 1967, GAGE WAS LOCATED 2.2 MILES DOWNSTREAM AT MOUTH OF SOUTH PASS.

RECORDS AVAILABLE. STAGE, FEB. 15, 1939 TO DATE.

EXTREMES. HIGHEST, 5.50 FEET (CAUSED BY HURRICANE) ON SEP. 9, 1965. LOWEST, MINUS 1.87 FEET ON JULY 16, 1939.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		1.75	2.46	2.36	1.92	2.24	1.95	1.95				
2		1.40	2.44	2.27	1.93	2.30	2.10	1.85				
3		1.45	2.25	2.10	1.89	2.38	2.24	2.03				
4		1.15	1.95	1.72	1.73	2.37	2.30	2.16				
5		0.93	1.60	1.50	1.97	2.48	2.29	2.56				
6		0.85	1.55	1.59	2.25	2.70	2.27	2.33				
7		0.68	1.47	2.01	2.57	2.68	2.30	2.55			F	0.76
8		0.73	1.84	2.05	2.43	2.72	2.40	2.42				
9		0.89	1.72	2.04	2.88	2.84	2.30	2.10				
10		1.39	1.88	2.35	2.72	2.76	2.21	1.81				
11		1.45	1.97	2.36	2.75	2.58	2.02	1.71				
12		1.30	2.30	2.40	2.75	2.41	1.94	1.58				
13		1.58	2.32	2.27	2.65	2.30	1.70	1.79				
14		1.75	2.57	2.38	2.26	2.14	1.65	1.98				
15		2.35	2.76	2.30	2.19	2.15	1.53	2.25				
16		1.90	2.83	2.18	2.12	2.08	1.76	2.63				
17		1.75	2.45	1.96	2.04	1.96	1.83				F	1.43
18		2.07	2.00	1.78	2.05	2.15	2.35					0.80
19		1.78	1.68	1.88	2.06	2.50	2.67					0.90
20		1.55	1.69	1.68	2.03	2.71	2.78					0.97
21		1.74	1.38	1.78	2.20	2.73	2.83					1.03
22		1.70	1.33	1.69	2.40	2.78	2.81					1.29
23	F	1.10	1.28	1.53	2.05	2.83	2.71	2.38				1.55
24		0.44	1.15	1.51	2.13	3.06	2.57	2.11				1.11
25		0.48	1.03	1.79	2.47	3.22	2.29	1.89				1.18
26		0.40	1.65	1.67	2.83	3.21	2.07	1.72				1.25
27		0.34	1.87	2.30	3.15	3.15	1.87	1.78				1.32
28		0.63	2.09	2.30	3.04	3.00	1.85	1.69				1.13
29		1.23	-----	2.68	2.85	2.58	1.92	1.68				1.07
30		1.33	-----	2.76	2.13	2.49	1.93	1.80				0.83
31		1.35	-----	2.60	-----	2.28	-----	1.78	-----	-----	-----	0.68

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.81	1.47	2.05	2.18	2.44	2.37	2.10	2.11				1.08
MAX	1.35	2.35	2.83	3.15	3.22	2.84	2.83	2.63				1.55
MIN	0.34	0.68	1.33	1.50	1.73	1.85	1.53	1.58				0.68
DAYS	9	28	31	30	31	30	31	16	0	0	0	16

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 222

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.98.

HIGHEST STAGE WAS 3.27 AT 9:00 A.M. ON MAY 26.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 0.22 ON JAN 24.

## DAILY STAGE FOR 1990

OLD RIVER INFLOW CHANNEL NEAR KNOX LANDING, LA.

LOCATION. LAT. 31-04-40, LONG. 91-35-49. UPSTREAM OF STATE HIGHWAY 15 BRIDGE AT OLD RIVER CONTROL STRUCTURE, ABOUT A QUARTER MILE FROM HEAD OF CHANNEL. THE HEAD OF CHANNEL IS AT RIVER MILE 314.6 (1962 SURVEY) ON THE MISSISSIPPI RIVER. THE CHANNEL IS 7.7 MILES IN LENGTH AND JOINS WITH RED RIVER AT MILE 3.6. (STA. 0205011.)

GAGE. AUTOMATIC RECORDER AND STAFF(S).

GENERAL INFORMATION. DRAINAGE AREA, ABOUT 1,124,700 SQUARE MILES (CONTRIBUTING). BANKFULL STAGE, 51 FEET. THE MAIN CHANNEL STRUCTURE CONSISTS OF ELEVEN GATE BAYS, EACH WITH 44-FOOT CLEAR WIDTH BETWEEN PIERS. THE WEIR CREST ELEVATION IS TEN FEET ABOVE NGVD EXCEPT FOR THREE CENTER BAYS WHICH HAVE CREST ELEVATION OF FIVE FEET BELOW NGVD. THE OVERBANK STRUCTURE CONSISTS OF 73 GATE BAYS, EACH WITH 44-FOOT CLEAR WIDTH BETWEEN PIERS. THE WEIR CREST ELEVATION IS 52.0 FEET, NGVD. THE TOP ELEVATION OF ALL GATE BAYS IS 67.0 FEET, NGVD. THE MAXIMUM DISCHARGE CAPACITY FOR BOTH STRUCTURES IS ABOUT 700,000 CFS.

RECORDS AVAILABLE. STAGE, APR. 3, 1961 TO DATE.

EXTREMES. HIGHEST, 63.40 FEET ON MAY 31, 1983. LOWEST, 9.10 FEET ON JAN. 8, 1964.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	17.10	43.70	53.95	52.40	46.77	55.31	48.83	33.23	26.30	21.68	26.34	22.05
2	17.20	44.10	54.10	52.33	46.80	55.68	48.10	33.22	26.74	21.84	26.88	22.54
3	18.55	44.25	54.18	52.22	47.04	55.80	47.77	33.08	27.02	22.11	26.49	23.23
4	19.99	44.70	54.25	52.00	47.23	56.05	47.44	32.53	27.10	21.73	26.74	23.53
5	20.90	45.23	54.30	51.72	47.35	56.40	46.74	31.86	27.40	21.60	26.70	23.37
6	20.80	45.95	54.30	51.40	47.38	56.25	46.40	31.25	26.00	21.85	26.86	23.79
7	21.44	46.77	54.15	51.18	47.37	56.47 E	45.30	30.53	26.04	21.75	26.40	24.80
8	23.13	47.45	53.85	50.71	47.55	56.50 E	44.30	30.05	26.00	21.55	25.87	25.68
9	25.00	48.10	53.50	50.17	47.89	56.60	43.30	29.57	25.80	21.10	25.12	26.50
10	27.10	48.70	53.40	49.90	48.24	56.70 E	42.75	29.24	25.54	20.70	24.25	27.35
11	29.20	49.30	52.95	49.50	48.57	56.80	42.00	28.71	25.49	20.40	23.40	28.25
12	30.90	49.84	52.54	49.02	48.96	56.88	40.90	28.67	25.01	20.70	22.75	29.67
13	32.40	50.19	52.40	48.42	49.79	56.88	39.90	28.50	24.64	21.90	22.52	30.88
14	33.72	50.48	51.95	47.95	51.00	56.81	38.68	28.30	24.79	22.84	22.31	31.75
15	34.60	50.84	52.00	47.40	51.48	56.75	37.60	28.40	24.62	23.45	22.18	32.33
16	34.70	51.65	51.72	46.88	51.90	56.70	36.86	28.30	24.50	24.64	22.02	32.41
17	34.60	51.85	51.54	46.55	52.11	56.40	36.00	28.14	24.40	24.70	21.85	32.18
18	33.65	51.99	51.28	46.30	52.22	56.16	35.08	27.85	24.28	25.30	21.92	31.40
19	34.00	52.20	51.08	46.00	52.22	56.04	34.35	27.52	23.84	25.60	22.24	30.51
20	35.07	52.38	50.95	45.82	52.07	55.74	33.75	27.07	23.50	25.82	22.47	29.74
21	36.20	52.49	50.90	45.68	51.90	55.42	33.25	26.71 E	23.00	26.00	22.80	29.67
22	36.78	52.65	50.90	45.76	51.80	54.86	33.13	26.20	23.00	26.55	23.10	30.43
23	36.95	52.95	50.92	46.08	51.80	54.39	33.28	25.76 E	22.70	27.33	23.40	32.70
24	37.35	53.20	51.00	46.24	52.10	53.80	33.92	25.54	22.40	27.37	23.30	35.24
25	40.20	53.45	51.23	46.34	52.45	53.08	33.90	25.17	22.40	28.10	23.05	38.59
26	40.95	53.65	51.52	46.59	52.54	52.41	34.22	24.90	22.30	27.98	22.80	41.50
27	40.85	53.67	51.70	46.78	52.98	51.64	34.17	24.88 E	22.10	27.67	22.40	43.36
28	41.15	53.85	51.88	46.81	53.70	51.13	33.96	24.83	21.61	27.46	21.97	44.38
29	41.85	-----	52.05	46.87	54.20	50.25	33.79	25.15	21.86	27.17	21.83	45.61
30	42.65	-----	52.20	46.81	54.73	49.54	33.55	25.37	21.87	26.91	21.88	46.68
31	43.25	-----	52.39	-----	54.80	-----	33.25	25.82	-----	26.74	-----	47.67

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	31.68	49.84	52.42	48.39	50.55	55.11	38.92	28.27	24.41	24.21	23.73	31.86
MAX	43.25	53.85	54.30	52.40	54.80	56.88	48.83	33.23	27.40	28.10	26.88	47.67
MIN	17.10	43.70	50.90	45.68	46.77	49.54	33.13	24.83	21.61	20.40	21.83	22.05
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

E=ESTIMATED

THE MEAN STAGE FOR THE YEAR WAS 38.19.

HIGHEST STAGE WAS 56.98 AT 5:15 P.M. ON JUN 12.

LOWEST STAGE WAS 17.10 ON JAN 1.

BLANK PAGE

## DAILY STAGE FOR 1990

## OLD RIVER OUTFLOW CHANNEL NEAR KNOX LANDING, LA.

LOCATION. LAT. 31-04-40, LONG. 91-35-50. DOWNSTREAM OF STATE HIGHWAY 15 BRIDGE AT OLD RIVER CONTROL STRUCTURE, ABOUT ONE MILE FROM HEAD OF CHANNEL. THE HEAD OF CHANNEL IS AT RIVER MILE 314.6 (1962 SURVEY) ON THE MISSISSIPPI RIVER. THE CHANNEL IS 7.7 MILES IN LENGTH AND JOINS WITH RED RIVER AT MILE 3.6. (STA. 0210011.)

GAGE. AUTOMATIC RECORDER AND STAFF(S).

DISCHARGE RANGE. FIVE AND A HALF MILES DOWNSTREAM FROM OLD RIVER CONTROL STRUCTURE.

GENERAL INFORMATION. DRAINAGE AREA, ABOUT 1,124,700 SQUARE MILES (CONTRIBUTING). BANKFULL STAGE, 49 FEET. THE MAIN CHANNEL STRUCTURE CONSISTS OF ELEVEN GATE BAYS, EACH WITH 44-FOOT CLEAR WIDTH BETWEEN PIERS. THE WEIR CREST ELEVATION IS TEN FEET ABOVE NGVD EXCEPT FOR THREE CENTER BAYS WHICH HAVE CREST ELEVATION OF FIVE FEET BELOW NGVD. THE OVERBANK STRUCTURE CONSISTS OF 73 GATE BAYS, EACH WITH 44-FOOT CLEAR WIDTH BETWEEN PIERS. THE WEIR CREST ELEVATION IS 52.0 FEET NGVD. THE TOP ELEVATION OF ALL GATE BAYS IS 67.0 FEET, NGVD. THE MAXIMUM DISCHARGE CAPACITY FOR BOTH STRUCTURES IS ABOUT 700,000 CFS.

RECORDS AVAILABLE. STAGE, MAR. 31, 1961 TO DATE. DISCHARGE, 1961 TO DATE. COMPUTED DAILY, SINCE 1962.

EXTREMES. HIGHEST, 59.30 FEET ON MAY 15, 1973. LOWEST, 1.32 FEET ON JULY 16, 1964 (GATES CLOSED). MAXIMUM, 610,000 CFS COMPUTED FOR MAY 19, 1973 (LOW SILL AND OVERBANK STRUCTURES IN OPERATION). MINIMUM, NO FLOW (GATES CLOSED) ON VARIOUS OCCASIONS.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	11.03	24.15	38.95	36.15	28.60	39.30	30.89	20.53	16.53	13.04	16.30	12.02
2	11.32	24.35	39.50	36.22	28.70	40.10	30.60	20.02	16.80	12.30	15.43	12.28
3	9.30	24.97	39.85	35.85	28.90	40.35	28.70	20.28	16.98	11.33	17.19	12.64
4	7.99	25.30	39.84	35.45	28.97	40.68	27.31	20.41	16.99	11.69	17.30	12.87
5	9.54	25.70	39.80	35.10	28.97	40.90	27.38	19.94	16.00	11.71	17.28	13.38
6	10.88	26.45	39.80	34.60	28.89	41.60	26.40	18.96	16.65	11.68	16.30	13.68
7	11.30	26.85	39.90	33.57	28.95	41.60	27.55	18.54	16.20	11.64	16.11	13.81
8	11.42	27.50	40.25	33.37	28.75	41.80	27.80	17.62	16.13	11.43	15.40	14.40
9	11.85	28.28	39.35	33.35	29.60	41.90	27.35	17.21	16.07	11.25	14.86	15.02
10	13.44	29.60	38.42 F	32.15	30.09	42.00	25.87	16.70	16.05	11.13	13.90	15.44
11	15.57	29.90	38.40	31.38	30.60	42.10	25.35	17.10	15.31	11.08	13.47	15.68
12	17.83	30.50	38.50	30.66	31.34	42.00	24.68	16.60	15.18	12.22	13.20	16.10
13	19.39	31.99	37.10	30.35	31.85	42.10	23.67	16.53	15.30	12.40	12.84	17.78
14	19.92	32.70	35.70	29.31	32.43	42.00	23.48	16.49	14.85	13.23	12.14	19.07
15	20.20	33.18	35.20	28.98	34.20	41.80	23.41	15.66	15.07	14.17	11.60	19.26
16	21.09	33.35	34.82	28.75	34.69	41.30	22.95	16.31	15.02	12.70	11.55	19.60
17	20.50	33.08	34.26	28.09	35.02	41.20	22.14	16.75	14.89	13.00	11.79	19.16
18	20.87	35.60	34.20	27.35	34.94	40.90	21.60	16.80	14.50	12.84	11.73	18.95
19	21.80	36.01	34.23	27.43	34.44	39.80	21.10	16.62	14.50	13.67	11.86	18.04
20	19.70	36.46	34.32	27.40	34.59	38.60	20.85	16.45	13.93	14.16	12.70	17.45
21	21.30	37.40	33.62	27.60	34.68	38.30	21.04	15.91	14.10	14.58	13.19	17.23
22	21.00	37.50	33.50	27.40	34.55	38.20	21.00	15.00	13.47	14.68	13.28	18.34
23	19.70	37.78	33.65	27.22	34.60	36.30	21.02	14.40	13.21	13.85	13.34	20.75
24	19.80	37.85	34.18	28.16	34.68	36.00	20.30	14.40	13.09	15.30	13.75	22.04
25	22.30	38.00	34.15	28.30	34.93	35.80	21.20	13.85	12.66	14.98	13.74	21.60
26	22.80	38.10	34.15	28.30	36.15	34.70	21.08	14.15	13.00	15.62	13.60	21.85
27	22.78	38.83	34.85	28.40	36.25	34.20	21.50	14.00	13.20	16.36	12.68	25.05
28	22.85	38.90	35.25	28.60	36.37	32.40	21.60	14.60	13.37	16.20	12.56	27.94
29	23.10	-----	35.98	28.60	36.96	31.92	21.47	14.50	12.81	15.80	11.78	28.84
30	23.60	-----	36.30	28.70	37.62	31.21	21.15	15.00	12.90	15.50	10.93	29.65
31	23.90	-----	36.05	-----	38.74	-----	21.00	15.91	-----	15.40	-----	29.92

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	17.68	32.22	36.58	30.56	32.90	39.04	23.92	16.69	14.83	13.39	13.73	18.70
MAX	23.90	38.90	40.25	36.22	38.74	42.10	30.89	20.53	16.99	16.36	17.30	29.92
MIN	7.99	24.15	33.50	27.22	28.60	31.21	20.30	13.85	12.66	11.08	10.93	12.02
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 24.12.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 42.40 AT NOON ON JUN 11.

LOWEST STAGE WAS 7.88 ON JAN 4.

DAILY FLOW FOR 1990  
 OLD RIVER OUTFLOW CHANNEL NEAR KNOX LANDING, LA.--CONTINUED  
 COMPUTED DAILY DISCHARGE IN THOUSAND DAY SECOND FEET

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	70	70	299	223	125	259	148	157	123	91	98	73
2	70	76	312	223	126	274	147	156	125	80	116	74
3	44	88	321	212	127	275	117	154	127	76	135	74
4	32	87	322	200	127	280	120	154	126	77	133	79
5	46	88	322	192	127	284	123	149	119	76	129	86
6	54	92	323	184	127	293	127	140	117	81	118	87
7	54	93	329	168	127	295	151	134	115	81	119	90
8	51	101	331	166	128	294	161	125	114	80	112	97
9	58	108	323	164	136	295	158	122	114	77	110	97
10	75	133	298	141	143	294	152	118	113	80	98	97
11	100	133	292	125	151	294	146	120	111	82	91	102
12	125	144	285	113	161	291	146	113	108	88	91	113
13	142	167	242	108	161	293	147	115	108	88	82	131
14	152	181	213	89	165	293	156	115	106	90	77	140
15	158	187	202	89	192	286	157	116	108	91	73	152
16	170	190	193	88	193	277	157	119	107	70	71	151
17	173	228	178	78	192	276	153	121	106	74	78	152
18	167	237	177	73	187	266	155	119	103	76	78	145
19	151	245	175	75	169	245	156	118	103	80	80	139
20	105	253	167	75	167	227	155	118	97	86	86	130
21	102	267	164	82	166	221	159	111	97	85	88	124
22	89	268	166	82	160	224	159	104	93	86	90	122
23	71	267	169	84	159	189	158	104	93	86	91	123
24	72	276	184	103	159	188	158	101	92	97	95	125
25	79	277	184	117	165	192	163	99	87	99	93	118
26	63	279	185	118	194	179	163	100	92	106	91	118
27	57	292	201	118	194	171	173	100	95	113	86	170
28	57	294	212	124	196	153	172	106	94	113	82	189
29	57	-----	225	124	208	152	170	104	92	113	74	202
30	64	-----	232	124	227	148	172	110	92	113	65	205
31	65	-----	224	-----	249	-----	166	115	-----	104	-----	206

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	89	183	240	129	165	247	153	121	106	88	94	126
MAX	173	294	331	223	249	295	173	157	127	113	135	206
MIN	32	70	164	73	125	148	117	99	87	70	65	73
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 TOTAL FOR YEAR WAS 52,925,000 DSF.  
 THE MEAN FLOW FOR THE YEAR WAS 145,000 DSF.  
 MAXIMUM DAILY DISCHARGE WAS 331,000 DSF ON MAR 8.  
 MINIMUM DAILY DISCHARGE WAS 32,000 DSF ON JAN 4.

## DAILY STAGE FOR 1990

## OLD RIVER AUXILIARY INFLOW CHANNEL NEAR KNOX LANDING, LA.

LOCATION. LAT. 31-03-54, LONG. 91-35-18. STATE HIGHWAY 15 BRIDGE AT OLD RIVER AUXILIARY CONTROL STRUCTURE, ABOUT 1-1/2 MILES FROM HEAD OF CHANNEL. THE HEAD OF CHANNEL IS AT RIVER MILE 312.0 (1962 SURVEY) ON THE MISSISSIPPI RIVER. THE CHANNEL IS 2.2 MILES IN LENGTH AND JOINS WITH OLD RIVER OUTFLOW CHANNEL ABOUT ONE MILE BELOW HEAD. (STA. 0220011.)

GAGE. AUTOMATIC RECORDER AND STAFF(S).

GENERAL INFORMATION. DRAINAGE AREA, ABOUT 1,124,700 SQUARE MILES (CONTRIBUTING). THE AUXILIARY STRUCTURE CONSISTS OF SIX GATE BAYS, EACH WITH 62-FOOT CLEAR WIDTH BETWEEN PIERS. THE WEIR CREST ELEVATION IS FIVE FEET BELOW NGVD. THE TOP ELEVATION OF ALL GATES IS 70.0 FEET, NGVD. THE MAXIMUM DISCHARGE CAPACITY IS ABOUT 374,000 CFS.

RECORDS AVAILABLE. STAGE, DEC. 14, 1986 TO DATE.

EXTREMES. HIGHEST, 56.35 FEET ON JUN. 6, 1990. LOWEST, 9.30 FEET ON JUL. 5, 1988.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ. )

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	16.48	43.33	53.10	51.63	46.30	54.40	48.30	31.66	23.54	21.70	22.75	21.14
2	16.53	43.67 F	53.20	51.50	46.32	54.72	47.60	31.68	24.06	21.67	24.10	21.63
3	17.90	43.85	53.35	51.50	46.53	54.89	47.20	31.33	24.43	21.74	24.45	22.31
4	19.32	44.20 F	53.40 F	51.40	46.69	55.05	46.92	30.87	24.57	21.40	24.50	22.81
5	20.57 F	45.00 F	53.60	51.07	46.79	55.26	46.26	30.10	25.18	21.34	24.65	22.54
6	20.50 F	45.70	53.50	50.77	46.82	55.60	45.05	29.37	26.40	19.63	25.21	22.93
7	21.02	46.34	53.40	50.54	46.84	55.50	43.57	28.89	26.34	19.59	24.95	24.08
8	22.72	47.18	53.20	50.10	47.01	55.57	42.70	28.72	26.27	19.35	24.61	24.94
9	24.45	47.80	52.83	49.59	47.33	55.64	42.04	28.16	26.10	19.15	23.98	25.83
10	26.58	48.25	52.60	49.25	47.64	55.76 F	41.24	27.60	25.78	18.19	23.28	26.65
11	28.65	48.85	52.18	48.92	47.97	55.83 F	40.80	26.45	25.67	17.63	22.36	27.85
12	30.38	49.50	51.75	48.47	48.30	55.79	40.00	26.35	25.21	17.41	21.71	29.23
13	31.89	49.70	51.68	47.87	49.16	55.76	38.90	26.50	24.90	19.28	21.41	30.37
14	33.11	50.13	51.60	47.44	50.39	55.71	37.50	25.90	24.90	20.49	21.46	31.19
15	33.95	50.45	51.30	46.89	50.82	55.62	36.33	25.90	24.85	21.29	21.40	31.52
16	33.95	51.19	51.02	46.35	51.20	55.51	35.42	26.20	24.70	23.53	21.25	31.65
17	33.69	51.37	50.83	46.02	51.37	55.30	34.80	25.50	24.54	24.33	20.88	31.40
18	33.20	51.50	50.58	45.79	51.48	55.09	33.65 E	25.00	24.40	24.85	20.94	30.60
19	33.35	51.70	50.30	45.54	51.50	54.77	32.82 E	24.70	24.02	25.10	21.28	29.77
20	34.59 F	51.80	50.20	45.37	51.33	54.40	32.19	24.20	23.63	25.28	21.37	29.03
21	35.62	51.97	50.21	45.20	51.14	54.10	31.65	24.10	23.08	25.45	21.60	29.05
22	36.25	52.28	50.22	45.28	51.12	53.55	31.58	24.10	22.91	25.98	21.93	29.83
23	36.59	52.49	50.29	45.58	51.10	53.35	31.74	23.80	22.63	26.70	22.20	32.10
24	37.00	52.70	50.32	45.67	51.22	52.75	32.47	23.60	22.33	26.75	21.93	34.60
25	39.90	52.88	50.60	45.82	51.51	52.01	32.37	22.82	22.37	27.19	21.70	38.25
26	40.55	53.04	50.83	46.12	51.74	51.52	32.17	22.70	22.36	27.26	21.30	41.10
27	40.45	53.09	50.97	46.33	52.23	50.80	32.20	22.72	22.13	26.75	21.40	42.76
28	40.70	53.19	51.19	46.35	52.85	50.47	32.10	22.30	21.76	26.50	20.80	43.70
29	41.45	-----	51.35	46.40	53.31	49.71	31.88	22.71	21.87	26.19	20.85	44.97
30	42.25	-----	51.50	46.34	53.57	49.04	31.54	22.65	21.93	25.88	21.16	46.00
31	42.85	-----	51.64	-----	53.82	-----	31.22	22.90	-----	23.78	-----	47.00

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	31.18	49.40	51.70	47.84	49.85	54.12	37.56	26.11	24.10	22.95	22.38	31.19
MAX	42.85	53.19	53.60	51.63	53.82	55.83	48.30	31.68	26.40	27.26	25.21	47.00
MIN	16.48	43.33	50.20	45.20	46.30	49.04	31.22	22.30	21.76	17.41	20.80	21.14
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

E=ESTIMATED F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 37.27.

HIGHEST STAGE WAS 56.35 AT 9:40 A.M. ON JUN 6.

LOWEST STAGE WAS 16.45 ON JAN 1.



DAILY FLOW FOR 1990  
 OLD RIVER AUXILIARY INFLOW CHANNEL NEAR KNOX LANDING, LA.--CONTINUED  
 COMPUTED DAILY DISCHARGE IN THOUSAND DAY SECOND FEET

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	32	26	149	112	62	111	58	69	84	0	98	42
2	33	29	150	112	63	119	57	66	85	0	116	42
3	21	32	154	105	64	119	48	71	85	0	88	42
4	13	32	154	93	64	125	54	68	86	0	87	41
5	23	32	154	95	64	122	53	67	76	0	87	48
6	26	36	155	93	64	129	111	66	0	52	82	50
7	26	36	158	85	64	130	135	60	0	52	75	47
8	21	39	160	84	64	130	121	53	0	52	69	52
9	26	40	158	83	67	130	105	53	0	50	65	53
10	31	50	144	70	71	130	73	59	0	55	56	53
11	42	50	143	64	75	130	56	64	0	58	55	42
12	52	61	141	56	81	145	56	66	0	66	53	37
13	53	62	119	55	81	145	57	66	0	63	53	51
14	61	66	105	45	83	144	62	68	0	64	46	60
15	65	69	100	45	98	143	60	70	0	65	41	69
16	79	71	96	44	96	140	59	70	0	40	41	69
17	68	87	90	39	96	139	55	75	0	28	47	70
18	66	98	89	35	94	130	61	78	0	28	47	69
19	60	107	88	38	95	145	62	78	0	30	48	64
20	42	117	85	38	94	161	61	76	0	31	54	59
21	41	99	82	41	93	147	63	71	0	31	57	53
22	26	99	83	41	79	145	63	61	0	31	59	47
23	27	99	84	42	79	119	63	59	0	26	60	47
24	28	99	92	53	79	119	67	58	0	36	63	49
25	31	99	92	58	83	117	67	58	0	42	62	12
26	25	99	92	59	85	102	89	58	0	47	61	13
27	23	104	101	59	86	96	90	59	0	55	54	79
28	23	104	106	61	87	64	90	63	0	55	52	96
29	23	-----	111	61	100	63	90	65	0	56	45	86
30	24	-----	117	61	104	59	89	71	0	57	32	88
31	24	-----	112	-----	116	-----	96	78	-----	104	-----	90

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	37	69	118	64	82	123	73	66	14	41	62	55
MAX	79	117	160	112	116	161	135	78	86	104	116	96
MIN	13	26	82	35	62	59	48	53	0	0	32	12
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 TOTAL FOR YEAR WAS 24,455,000 DSF.  
 THE MEAN FLOW FOR THE YEAR WAS 67,000 DSF.  
 MAXIMUM DAILY DISCHARGE WAS 161,000 DSF ON JUN 20.  
 MINIMUM DAILY DISCHARGE WAS 0 ON SEP 6 THRU OCT 5.

## DAILY STAGE FOR 1990

## OLD RIVER AUXILIARY OUTFLOW CHANNEL NEAR KNOX LANDING, LA.

LOCATION. LAT. 31-03-57, LONG. 91-35-26. STATE HIGHWAY 15 BRIDGE AT OLD RIVER AUXILIARY CONTROL STRUCTURE, ABOUT 1-1/2 MILES FROM HEAD OF CHANNEL. THE HEAD OF CHANNEL IS AT RIVER MILE 312.0 (1962 SURVEY) ON THE MISSISSIPPI RIVER. THE CHANNEL IS 2.2 MILES IN LENGTH AND JOINS WITH OLD RIVER OUTFLOW CHANNEL ABOUT ONE MILE BELOW HEAD. (STA. 0221011.)

GAGE. STAFF TYPE IN SEVERAL SECTIONS.

GENERAL INFORMATION. DRAINAGE AREA, ABOUT 1,124,700 SQUARE MILES (CONTRIBUTING). THE AUXILIARY STRUCTURE CONSISTS OF SIX GATE BAYS, EACH WITH 62-FOOT CLEAR WIDTH BETWEEN PIERS. THE WEIR CREST ELEVATION IS FIVE FEET BELOW NGVD. THE TOP ELEVATION OF ALL GATES IS 70.0 FEET, NGVD. THE MAXIMUM DISCHARGE CAPACITY IS ABOUT 374,000 CFS.

RECORDS AVAILABLE. STAGE, DEC. 14, 1986 TO DATE.

EXTREMES. HIGHEST, 42.10 FEET ON JUN. 11, 1990. LOWEST, 6.45 FEET ON NOV. 11, 1987.

## DAILY SEVEN A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	11.50	24.30	39.22	36.32	28.80	39.72	30.95	20.80	17.20	12.50	18.30	11.65
2	11.20	24.40	39.62	36.32	29.00	40.30	30.90	20.70	17.60	12.10	17.30	11.95
3	9.30	24.85	40.02	36.02	29.00	40.40	28.90	20.40	18.00	10.80	18.00	12.80
4	7.70	25.30	39.92	35.62	29.10	40.70	27.90	20.60	18.10	11.40	18.05	13.00
5	9.30	25.70	39.92	35.12	29.10	41.00	27.60	20.15	17.20	10.90	18.30	13.70
6	11.20	26.50	39.92	34.72	29.05	41.50	26.80	19.60	16.70	12.20	17.30	14.00
7	11.70	26.90	40.12	33.72	29.10	41.60	27.85	18.90	16.40	12.15	17.00	14.20
8	11.60	27.50	40.12	33.52	29.10	41.70	28.00	18.00	16.20	12.00	16.30	14.30
9	11.80	28.40	39.52	33.42	29.70	41.90	27.80	17.50	16.10	11.90	15.50	14.75
10	13.60	29.70	38.62	32.32	30.20	42.00	26.80	17.10	15.90	12.10	14.65	15.80
11	15.80	30.00	38.42	31.42	30.70	42.10	25.60	17.45	15.30	12.00	14.15	15.80
12	18.30	30.60	38.42	30.70	31.57	42.00	24.90	17.00	15.20	13.00	13.85	16.40
13	19.70	32.22	37.22	30.50	32.22	42.00	24.00	17.10	15.30	13.45	13.60	18.30
14	20.40	33.02	35.92	29.50	32.82	41.90	24.00	17.10	14.90	14.30	12.80	19.20
15	20.70	33.42	35.42	29.20	34.42	41.80	23.55	17.20	15.20	15.10	12.30	20.30
16	21.50	33.62	35.22	28.90	34.92	41.20	23.20	17.00	15.10	13.60	12.20	20.30
17	21.60	35.42	34.52	28.20	35.22	41.20	22.20	17.30	15.00	13.00	12.50	20.00
18	21.10	35.82	34.42	27.50	35.12	40.90	21.90	17.40	14.60	13.60	12.40	19.50
19	22.00	36.32	34.42	27.60	34.72	40.02	21.50	17.20	14.60	13.90	12.60	18.70
20	19.90	36.82	33.92	27.40	34.72	38.72	21.10	17.10	13.90	14.65	13.30	18.30
21	21.40	37.42	33.62	27.30	34.92	38.42	21.15	16.50	13.90	14.95	13.80	17.80
22	21.10	37.72	33.52	27.20	34.82	38.32	21.15	15.50	13.25	15.20	13.80	18.50
23	19.80	37.92	33.72	27.00	34.72	36.42	21.30	15.10	13.05	14.60	13.80	20.65
24	19.90	38.02	34.22	27.80	34.62	36.12	20.30	14.90	12.70	15.70	14.35	22.30
25	22.40	38.22	34.32	28.50	35.12	36.02	21.40	15.05	12.20	15.90	14.35	21.60
26	22.80	38.32	34.42	28.50	36.32	34.82	21.40	14.85	12.80	16.20	14.20	22.20
27	22.75	39.12	34.92	28.50	36.42	34.32	22.20	14.70	12.70	17.05	13.20	25.20
28	22.90	39.12	35.22	28.90	36.62	32.52	22.00	15.10	13.00	16.90	13.10	28.40
29	23.00	-----	36.22	28.95	37.12	32.22	22.00	15.20	12.50	16.40	12.50	29.40
30	23.70	-----	36.52	28.90	38.22	31.37	22.00	16.00	12.60	16.20	11.40	29.90
31	23.90	-----	36.22	-----	39.22	-----	21.50	16.90	-----	17.20	-----	30.10

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	17.86	32.38	36.70	30.65	33.12	39.11	24.25	17.27	14.91	13.90	14.50	19.00
MAX	23.90	39.12	40.12	36.32	39.22	42.10	30.95	20.80	18.10	17.20	18.30	30.10
MIN	7.70	24.30	33.52	27.00	28.80	31.37	20.30	14.70	12.20	10.80	11.40	11.65
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

E=ESTIMATED

THE MEAN STAGE FOR THE YEAR WAS 24.40.

HIGHEST STAGE WAS 42.10 ON JUN 11.

LOWEST STAGE WAS 7.70 ON JAN 4.

BLANK PAGE

## DAILY STAGE FOR 1990

## OLD RIVER AT TORRAS, LA. (LOCK FOREBAY)

LOCATION. LAT. 31-00-03, LONG. 91-40-12. IN NAVIGATION CHANNEL, ON SIDE OF LOCK WALL AT ENTRANCE TO LOCK CHAMBER. THE HEAD OF NAVIGATION CHANNEL IS AT RIVER MILE 304.0 (1962 SURVEY) ON THE MISSISSIPPI RIVER. (STA. 0272511.)

GAGE. WIRE WEIGHT.

GENERAL INFORMATION. PRIOR TO MAR. 18, 1963, GAGE WAS IN NATURAL CHANNEL OF LOWER OLD RIVER AND ZERO OF GAGE WAS 1.11 FEET HIGHER THAN PRESENT DATUM.

RECORDS AVAILABLE. STAGE, JAN. 1, 1903 TO DATE.

EXTREMES. HIGHEST, 61.6 FEET ON MAY 15, 1927. LOWEST, 3.3 FEET ON NOV. 4, 1939. EXTREMES HAVE BEEN ADJUSTED TO PRESENT DATUM.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	15.40	41.30	52.20	50.40	44.60	53.15	46.85	30.90	23.75	19.80	23.90	19.75
2	15.30	42.00	52.40	50.25	44.60	53.55	46.05	30.95	24.25	19.70	23.50	20.30
3	16.35	41.95	52.50	50.10	44.90	53.80	45.70	30.75	24.60	19.60	23.60	20.90
4	17.45	42.00	52.60	50.00	45.05	54.00	45.30	30.45	24.70	19.60	23.80	21.50
5	18.22	42.65	52.70	49.80	45.10	54.20	44.65	29.70	24.95	19.60	24.20	21.45
6	19.24	43.60	52.70	49.50	45.10	54.30	44.25	29.30	24.70	19.35	24.60	21.60
7	19.35	44.25	52.80	49.10	45.15	54.35	43.15	28.60	25.28	19.25	24.80	22.30
8	20.22	45.15	52.50	48.70	45.35	54.40	42.25	27.62	24.51	19.20	24.20	23.25
9	22.05	45.80	52.15	48.10	45.60	54.45	41.35	27.30	24.22	19.00	23.55	23.65
10	23.85	46.30	51.85	47.70	45.90	54.60	40.60	26.70	24.40	18.70	22.50	24.75
11	25.55	47.15	51.35	47.20	46.30	54.65	39.95	26.15	23.65	18.40	21.40	25.65
12	28.20	47.55	50.90	47.00	46.60	54.75	38.85	26.30	23.30	18.25	20.50	27.25
13	29.85	48.05	50.65	46.40	47.10	54.75	37.75	26.20	22.90	18.94	20.20	28.15
14	31.25	48.05	50.40	45.90	48.20	54.70	36.60	25.70	23.20	19.80	20.05	29.20
15	32.15	48.90	50.25	45.35	49.10	54.60	33.50	25.70	23.10	20.90	19.85	29.95
16	32.55	49.70	49.65	44.80	49.70	54.50	34.50	25.70	23.00	21.38	19.95	30.25
17	32.30	50.15	49.45	44.30	49.90	54.30	33.85	25.70	22.85	22.52	19.70	30.20
18	31.75	50.25	49.25	44.05	50.00	54.00	32.95	25.45	22.75	22.65	19.70	29.40
19	31.60	50.40	48.95	43.65	50.00	53.60	32.15	25.20	22.65	23.35	20.15	28.70
20	32.65	50.55	48.70	43.45	49.90	53.50	31.50	24.85	22.05	23.80	20.40	27.75
21	33.55	50.80	48.60	43.52	49.80	53.10	30.90	24.40	21.50	24.00	20.70	27.60
22	34.45	51.05	48.70	43.44	49.65	52.70	30.50	24.00	21.25	24.20	21.10	27.50
23	34.65	51.20	48.80	43.59	49.45	52.25	30.50	23.65	21.00	24.70	21.35	30.05
24	35.00	51.50	48.90	43.83	49.70	51.65	31.00	23.30	20.70	25.10	21.30	32.80
25	37.70	51.65	49.15	44.05	49.85	50.80	31.50	23.15	21.00	25.55	21.20	34.65
26	38.70	51.90	49.45	44.30	50.25	50.35	31.90	22.50	20.55	25.75	20.75	37.90
27	38.70	52.00	49.65	44.60	50.65	49.60	31.75	22.35	20.90	25.35	20.50	40.75
28	38.60	52.10	49.90	44.65	51.40	49.00	31.65	22.35	20.05	25.20	20.63	41.90
29	38.40	-----	50.15	44.90	52.00	48.30	31.30	23.05	20.20	24.80	19.75	43.30
30	40.00	-----	50.25	44.70	52.35	47.60	31.15	22.63	-----	24.65	19.75	44.30
31	40.60	-----	50.35	-----	52.65	-----	31.20	23.30	-----	24.40	-----	45.40

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	29.21	47.78	50.58	46.24	48.25	52.98	36.62	25.93	22.83	21.85	21.59	29.42
MAX	40.60	52.10	52.80	50.40	52.65	54.75	46.85	30.95	25.28	25.75	24.80	45.40
MIN	15.30	41.30	48.60	43.44	44.60	47.60	30.50	22.35	20.05	18.25	19.70	19.75
DAYS	31	28	31	30	31	30	31	31	29	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 364  
 THE MEAN STAGE FOR THE YEAR WAS 36.05.  
 HIGHEST STAGE WAS 54.75 ON JUN 12 AND LATER DATE(S).  
 LOWEST STAGE WAS 15.30 ON JAN 2.

## DAILY STAGE FOR 1990

OLD RIVER AT TORRAS, LA. (LOCK TAILBAY)

LOCATION. LAT. 31-00-12, LONG. 91-40-25. IN NAVIGATION CHANNEL LOCK WALL AT ENTRANCE TO LOCK CHAMBER.  
THE HEAD OF NAVIGATION CHANNEL IS AT RIVER MILE 304.0 (1962 SURVEY) ON THE MISSISSIPPI RIVER.  
(STA. 0275011.)

GAGE. WIRE WEIGHT.

DISCHARGE RANGE. 0.8 MILE DOWNSTREAM FROM GAGE.

RECORDS AVAILABLE. STAGE, MAR. 18, 1963 TO DATE. DISCHARGE, 1963 AND 1964.

EXTREMES. HIGHEST, 57.60 FEET ON MAY 14 AND LATER DATES IN 1973. LOWEST, 1.2 FEET ON JULY 16, 1964.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	8.20	23.30	35.75	33.90	27.05	36.80	29.50	17.70	12.80	9.20	13.05	9.60
2	8.65	23.80	36.20	34.00	27.20	37.30	29.15	16.90	13.20	9.20	12.20	10.25
3	7.40	23.70	36.20	33.75	27.30	37.55	27.55	16.70	13.40	8.90	12.20	10.45
4	6.65	24.00	36.50	33.45	27.40	37.90	26.45	17.32	13.70	8.80	12.40	10.60
5	7.55	24.20	36.60	33.10	27.40	38.05	26.20	17.00	12.65	8.65	12.90	10.75
6	8.60	25.05	36.40	32.70	27.30	38.60	25.60	16.60	12.70	8.60	13.30	11.00
7	8.70	25.20	36.50	31.90	27.40	38.80	25.80	15.82	13.09	8.35	12.40	11.05
8	9.34	26.40	36.40	31.30	27.30	38.85	26.20	15.17	12.26	8.40	11.90	11.70
9	9.90	27.00	36.10	31.20	27.90	39.00	25.85	14.60	12.42	8.35	11.10	12.15
10	10.70	27.75	35.00	30.50	28.25	39.00	24.50	13.85	12.20	8.15	11.05	12.65
11	12.05	28.38	35.15	30.00	28.50	39.15	23.50	14.00	12.06	7.90	10.75	13.02
12	14.40	28.88	35.25	29.27	29.20	39.20	22.90	14.10	11.42	7.80	10.60	13.24
13	15.35	30.22	34.60	28.80	29.80	39.20	21.85	13.70	11.35	9.10	10.40	14.80
14	15.85	30.65	33.40	28.25	30.20	39.10	21.80	13.60	11.60	9.93	10.10	15.70
15	15.95	31.05	33.30	27.90	31.70	39.00	21.10	13.60	11.60	11.20	9.50	16.05
16	16.50	31.75	33.08	27.65	32.40	38.70	20.45	13.30	11.55	11.00	9.42	16.30
17	16.60	32.60	32.55	27.25	33.00	38.60	19.40	13.80	11.40	11.26	9.26	16.25
18	16.50	33.00	32.40	26.45	32.70	38.30	18.95	13.60	11.20	11.56	9.20	15.80
19	18.40	33.50	32.40	26.35	32.50	37.80	18.25	13.55	11.15	11.85	9.30	14.95
20	17.65	33.85	31.87	26.30	32.60	37.20	17.55	13.50	10.45	12.60	9.75	14.80
21	19.85	34.35	31.75	26.23	32.70	36.30	18.45	13.15	10.45	12.85	10.10	14.50
22	19.70	34.70	31.83	25.82	32.50	35.80	18.00	12.20	10.30	13.15	10.15	14.50
23	18.35	34.80	31.80	25.70	32.80	34.65	17.90	11.90	9.60	13.05	10.10	18.35
24	18.45	34.95	32.30	26.20	32.70	34.15	18.70	11.50	9.60	13.20	10.40	19.80
25	20.70	35.05	32.25	26.80	33.15	33.80	18.40	11.45	9.05	13.15	10.50	19.45
26	21.30	35.15	32.35	26.80	33.70	32.85	17.40	11.00	9.20	13.15	10.55	20.20
27	22.30	35.65	32.70	26.80	34.22	32.60	17.85	11.05	9.30	13.65	9.85	22.75
28	22.50	35.70	33.05	27.15	34.35	31.00	18.25	11.20	9.40	13.45	9.70	25.25
29	22.70	-----	33.55	27.15	34.85	30.50	18.20	11.30	9.50	12.95	9.80	26.60
30	22.70	-----	33.75	27.20	35.55	29.80	17.95	11.46	-----	12.60	8.65	27.25
31	22.90	-----	33.75	-----	36.30	-----	17.40	12.20	-----	12.30	-----	27.60

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	15.37	30.17	34.02	29.00	30.97	36.65	21.65	13.77	11.33	10.78	10.69	16.04
MAX	22.90	35.70	36.60	34.00	36.30	39.20	29.50	17.70	13.70	13.65	13.30	27.60
MIN	6.65	23.30	31.75	25.70	27.05	29.80	17.40	11.00	9.05	7.80	8.65	9.60
DAYS	31	28	31	30	31	30	31	31	29	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 364

THE MEAN STAGE FOR THE YEAR WAS 21.66.

HIGHEST STAGE WAS 39.20 ON JUN 12 AND LATER DATE(S).

LOWEST STAGE WAS 6.65 ON JAN 4.

## DAILY STAGE FOR 1990

## ATCHAFALAYA RIVER AT BARBRE LANDING, LA.

LOCATION. LAT. 31-00-48, LONG. 91-44-25. ON LEFT BANK OF OLD RIVER OPPOSITE MOUTH OF RED RIVER, AT HEAD OF ATCHAFALAYA RIVER. (STA. 0301511.)

GAGE. STAFF TYPE IN SEVERAL SECTIONS.

GENERAL INFORMATION. GAGE USUALLY READ BETWEEN SEVEN AND NINE A.M. DRAINAGE AREA NOT DETERMINED. BANKFULL STAGE, 48 FEET. MEAN LOW WATER STAGE, 7.1 FEET. STAGE IS AFFECTED BY THE DIVERSION OF WATER FROM MISSISSIPPI RIVER THROUGH OLD RIVER OUTFLOW CHANNEL. PRIOR TO 1975 GAGE ZERO WAS 3.81 FEET NGVD.

RECORDS AVAILABLE. STAGE, JUNE 15, 1880 TO DATE. DISCHARGE, 1851, 1858, 1873, 1879 TO 1882, AND 1885.

EXTREMES. HIGHEST, 61.51 FEET ON MAY 14, 1927. LOWEST, 0.96 FOOT ON JULY 16, 1964. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1 E	8.40	23.10	35.85 E	33.90	27.00	36.85 E	29.50	17.50 E	12.90	9.80	13.20 E	9.70
2	8.95	23.20	36.20	33.90	27.20 E	37.50	29.10	17.20 E	13.30	9.60	12.35 E	10.00
3	7.80 E	23.30 E	36.45	33.80	27.30 E	37.65	27.40	17.05 E	13.40	9.00 E	13.30	10.60
4	6.85 E	23.60 E	36.45	33.40	27.35	37.90 E	26.40 E	17.20	13.60	9.20 E	13.65	10.70
5	7.75	24.00	36.45	33.10 E	27.35	38.20	26.00 E	16.80	12.65	9.00	13.55	10.90
6 E	8.90	24.80	36.40	32.65 E	27.30	38.60	25.00	16.30	12.90 E	9.10	12.90	11.20
7 E	9.50	25.45	36.45 E	31.75	27.30	38.80	25.80	15.60	12.70 E	9.00	12.60	11.25
8 E	9.75	26.05	36.50 E	31.55	27.35	38.90 E	25.90	14.90 E	12.65 E	8.80	12.10 E	12.00
9	10.05	26.75	36.05	31.50	27.90 E	38.95	25.45	14.55 E	12.65	8.70	11.55 E	12.80
10	11.20 E	28.05 E	35.05	30.65	28.35 E	39.10	24.00	14.00	12.65	8.40 E	11.40	13.20
11	12.70 E	28.70 E	35.20	29.95	28.80	39.25	23.40 E	14.20	11.90	8.10 E	10.90	13.40
12	14.50	29.05	35.60	29.15 E	29.40 E	39.25	22.75 E	14.00	11.70	9.00 E	10.70	13.80
13 E	15.40	30.25	34.60	29.00	29.90	39.40	21.65	13.80	11.80 E	9.40	10.40	15.30
14 E	15.80	30.95	33.65 E	28.20	30.50	39.30 E	21.50	13.70	11.35 E	10.35	9.80	15.85
15	15.75	31.30	33.30 E	27.90	32.05	39.20 E	21.00	13.60 E	11.60	11.80	9.40 E	16.30
16	16.60	31.50	33.00	27.70	32.60 E	38.70	20.50	13.40 E	11.50	11.00	9.25 E	16.30
17	16.70 E	32.60 E	32.45	27.00	33.00 E	38.55	19.45	13.60	11.30	11.40 E	9.30	16.20
18	16.55 E	33.20 E	32.45	26.40	32.90	38.30	18.90 E	13.45	11.20	11.65 E	9.20	15.90
19	18.60 E	33.55	32.40	26.40	32.65	37.55	18.35 E	13.25	11.30	11.95	9.30	15.30
20 E	17.90	33.85	31.95	26.25	32.80	36.75	17.90	13.20	10.70 E	12.60	9.80	15.10
21 E	19.90	34.45	31.80 E	26.20	32.90	36.20 E	17.90	13.00	10.65 E	12.90	10.10	15.00
22	19.65	34.60	31.75 E	26.05	32.80	35.95 E	17.90	12.30 E	10.15	13.20	10.10 E	16.25
23	18.60	34.85	31.90	25.70	32.90	34.50	17.90	11.70 E	9.60 E	13.00 E	10.10 E	18.50
24	18.80 E	35.00 E	32.30	26.30	33.00	34.10	17.20	11.55	9.50	13.10 E	10.80	20.05
25	21.20 E	35.10 E	32.30	26.90	33.20	33.90	18.20 E	11.40	9.10	13.10 E	10.85 E	19.80
26	21.95	35.15	32.25	26.85 E	34.20	32.85	17.70 E	11.10	9.40	13.15	10.70	20.45
27 E	22.00	35.70	32.80	26.85 E	34.40	32.55	18.25	10.85	9.70 E	13.55	9.80	22.80
28 E	22.05	35.80	33.10 E	27.15 E	34.50	30.90 E	18.20	11.40	9.80 E	13.40	9.70	25.70
29	22.10	-----	33.65 E	27.20	34.90	30.50 E	18.20	11.30 E	9.25	12.90	9.70 E	27.10
30	22.85	-----	34.00	27.20	35.65 E	30.00	18.20	11.70 E	9.30	12.40 E	8.80 E	27.30
31	23.05	----- E	33.85	-----	36.40	-----	17.60	12.55	-----	12.30	-----	27.65

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	15.54	30.14	34.07	29.02	31.09	36.67	21.52	13.75	11.34	11.00	10.84	16.34
MAX	23.05	35.80	36.50	33.90	36.40	39.40	29.50	17.50	13.60	13.55	13.65	27.65
MIN	6.85	23.10	31.75	25.70	27.00	30.00	17.20	10.85	9.10	8.10	8.80	9.70
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

E=ESTIMATED

THE MEAN STAGE FOR THE YEAR WAS 21.71.

HIGHEST STAGE WAS 39.40 ON JUN 13.

LOWEST STAGE WAS 6.85 ON JAN 4.

BLANK PAGE

## DAILY STAGE FOR 1990

## ATCHAFALAYA RIVER AT SIMMESPORT, LA.

LOCATION. LAT. 30-58-57, LONG. 91-47-54. ON RAILWAY BRIDGE NEAR RIGHT BANK, 4.9 MILES (1963 SURVEY) FROM HEAD OF RIVER. THE HEAD OF ATCHAFALAYA RIVER IS AT THE CONFLUENCE OF RED AND LOWER OLD RIVERS. (STA. 03045128.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

DISCHARGE RANGE. ABOUT THREE AND A HALF MILES DOWNSTREAM FROM BRIDGE.

GENERAL INFORMATION. DRAINAGE AREA, NOT INCLUDING MISSISSIPPI RIVER, ABOUT 87,570 SQUARE MILES (CONTRIBUTING). BANKFULL STAGE, 46 FEET. MEAN LOW WATER STAGE, 8.9 FEET. THE DISCHARGE IS COMPOSED OF RED RIVER FLOW AND CONTROLLED DIVERSION OF THE MISSISSIPPI RIVER (MILE 314.6) THROUGH OLD RIVER OUTFLOW CHANNEL. ZERO OF GAGE PRIOR TO DEC. 1904 WAS 3.81 FEET, NGVD. FROM 1905 TO 1975 GAGE ZERO WAS 5.73 FEET, NGVD.

RECORDS AVAILABLE. STAGE, MAY 1, 1887 TO MAY 15, 1892, AND DEC. 1, 1903 TO DATE (NO RECORD OF STAGES BELOW 30 FEET FROM JAN. 16, 1915 TO NOV. 1919, AND BELOW 34 FEET FROM DEC. 1919 TO 1927). DISCHARGE, 1851 INTERMITTENTLY TO DATE. COMPUTED DAILY, SINCE 1928.

EXTREMES. HIGHEST, 59.13 FEET ON MAY 16, 1927. LOWEST, 0.70 FOOT ON OCT. 17, 1976. MAXIMUM, 781,000 CFS OBSERVED ON MAY 12, 1973 (STAGE 54.43 NGVD). MINIMUM, 10,500 CFS COMPUTED FOR JUNE 24, 1964 (STAGE, 1.41 NGVD). EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1966 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	6.84	21.40	33.42	31.63	25.18	34.33	27.33	15.68	11.30	8.18	11.31	8.34
2	7.36	21.40	33.88	31.76	25.30	34.92	27.02	15.30	11.69	7.98	10.49	8.63
3	6.40	21.88	34.10	31.58	25.30	35.13	25.40	15.20	11.79	7.30	11.50	9.07
4	5.42	22.18	34.10	31.25	25.40	35.42	24.33	15.44	11.90	7.51	11.91	9.13
5	6.36	22.60	34.05	31.02	25.40	35.70	24.10	15.05	10.95	7.30	11.82	9.30
6	7.39	23.35	34.00	30.60	25.31	36.19	23.08	14.50	11.20	7.34	11.20	9.60
7	7.90	23.85	34.05	29.70	25.35	36.30	23.80	13.90	11.01	7.28	10.93	9.72
8	8.18	24.40	34.05	29.54	25.38	36.40	23.90	13.15	10.80	7.10	10.40	10.31
9	8.58	25.06	33.68	29.45	26.00	36.45	23.48	12.80	10.80	6.92	9.91	10.96
10	9.63	26.24	32.82	28.61	26.30	36.53	22.30	12.28	10.82	6.70	9.65	11.49
11	11.08	26.45	32.99	28.00	26.79	36.62	21.60	12.60	10.33	6.45	9.23	11.68
12	12.80	26.95	33.20	27.28	27.43	36.68	20.90	12.35	10.07	7.34	9.19	12.16
13	13.68	28.10	32.25	27.11	27.97	36.70	19.80	12.20	10.25	7.62	8.89	13.43
14	14.08	28.75	31.40	26.30	28.50	36.70	19.50	12.10	9.81	8.65	8.50	14.05
15	14.10	29.08	30.95	26.00	29.85	36.60	19.02	12.00	9.95	10.09	8.09	14.49
16	14.78	29.25	30.67	25.80	30.35	36.29	18.45	11.80	9.85	9.35	7.90	14.55
17	14.81	30.35	30.15	25.20	30.75	36.15	17.50	11.89	9.79	9.60	7.92	14.30
18	14.91	30.80	30.13	24.68	30.72	35.85	17.00	11.90	9.53	9.89	7.80	14.14
19	16.79	31.17	30.11	24.60	30.48	35.11	16.45	11.77	9.69	10.16	7.92	13.49
20	15.88	31.40	29.68	24.42	30.60	34.35	16.09	11.65	9.01	10.73	8.29	13.20
21	17.82	31.92	29.60	24.39	30.70	33.83	16.20	11.33	9.09	11.00	8.69	13.10
22	17.75	32.50	29.49	24.15	30.60	33.58	16.19	10.73	8.70	11.39	8.71	14.40
23	16.77	32.70	29.60	23.85	30.69	32.18	16.18	10.20	8.20	10.80	8.68	16.69
24	16.89	32.73	30.01	24.43	30.70	31.80	15.40	10.10	8.11	11.39	8.93	18.09
25	19.29	32.77	30.00	25.00	30.90	31.58	16.21	10.00	7.67	11.29	9.11	17.93
26	19.97	32.80	30.00	24.98	31.80	30.58	15.88	9.75	7.81	11.24	9.10	18.52
27	20.10	33.25	30.53	24.99	31.95	30.20	16.42	9.51	7.98	11.81	8.32	20.68
28	20.19	33.40	30.80	25.25	32.08	28.72	16.50	9.82	7.95	11.63	8.29	23.45
29	20.30	-----	31.22	25.25	32.53	28.31	16.40	9.85	7.51	11.12	8.18	24.50
30	20.92	-----	31.63	25.28	33.20	27.68	16.25	10.09	7.71	10.68	7.33	25.05
31	21.12	-----	31.50	-----	33.98	-----	15.85	10.88	-----	10.57	-----	25.30

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	13.81	28.10	31.74	27.07	28.95	34.23	19.63	12.12	9.71	9.24	9.27	14.51
MAX	21.12	33.40	34.10	31.76	33.98	36.70	27.33	15.68	11.90	11.81	11.91	25.30
MIN	5.42	21.40	29.49	23.85	25.18	27.68	15.40	9.51	7.51	6.45	7.33	8.34
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 19.80.  
 HIGHEST STAGE WAS 37.00 AT 5:00 P.M. ON JUN 11.  
 LOWEST STAGE WAS 5.42 ON JAN 4.



DAILY FLOW FOR 1990  
 ATCHAFALAYA RIVER AT SIMMESPORT, LA.--CONTINUED  
 COMPUTED DAILY DISCHARGE IN THOUSAND DAY SECOND FEET

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	100	278	459	423	316	479	351	193	143	118	155	118
2	106	280	468	424	319	494	345	189	147	116	144	122
3	94	285	473	421	320	497	321	187	148	109	157	127
4	82	290	473	415	322	502	305	192	151	111	164	128
5	95	296	473	409	322	508	302	187	139	109	161	128
6	107	308	471	401	321	518	287	181	143	110	152	132
7	114	313	473	386	322	521	298	173	139	109	149	134
8	115	322	473	383	322	522	299	164	138	107	142	142
9	121	333	462	382	328	523	292	160	138	106	136	152
10	133	348	446	369	336	526	280	153	138	103	135	155
11	149	356	448	359	342	529	265	158	132	101	129	157
12	169	360	455	348	351	529	256	156	129	109	128	164
13	178	379	436	345	359	529	242	153	131	113	125	180
14	183	390	419	335	370	529	239	152	126	123	121	187
15	182	395	412	330	393	527	233	152	139	140	116	193
16	192	400	406	327	400	518	227	148	138	131	114	193
17	195	411	397	317	409	516	214	150	135	135	115	192
18	192	416	396	308	407	510	210	149	133	137	114	188
19	216	418	396	308	401	494	203	147	134	141	115	180
20	206	422	388	306	405	477	198	147	127	148	118	177
21	230	433	387	305	407	467	198	143	126	152	123	177
22	228	437	385	303	405	462	198	136	123	156	123	192
23	215	442	388	298	405	433	198	130	117	152	122	220
24	217	444	394	306	407	426	189	128	116	156	130	241
25	247	446	393	314	411	422	199	127	111	156	130	237
26	258	446	393	313	428	402	196	125	113	155	128	246
27	261	457	403	313	432	397	202	122	114	161	118	273
28	262	458	408	318	434	373	202	126	116	158	118	313
29	262	-----	417	318	442	366	201	125	111	152	118	332
30	272	-----	423	318	456	358	200	128	113	148	109	335
31	274	-----	421	-----	471	-----	195	138	-----	147	-----	340

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	182	377	427	347	379	478	243	152	130	131	130	195
MAX	274	458	473	424	471	529	351	193	151	161	164	340
MIN	82	278	385	298	316	358	189	122	111	101	109	118
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 TOTAL FOR YEAR WAS 95,995,000 DSF.  
 THE MEAN FLOW FOR THE YEAR WAS 263,000 DSF.  
 MAXIMUM DAILY DISCHARGE WAS 529,000 DSF ON JUN 11 THRU 14.  
 MINIMUM DAILY DISCHARGE WAS 82,000 DSF ON JAN 4.

## DAILY STAGE FOR 1990

## ATCHAFALAYA RIVER AT MELVILLE, LA.

LOCATION. LAT. 30-41-26, LONG. 91-44-10. TEXAS AND PACIFIC RAILROAD BRIDGE 29.5 MILES (1963 SURVEY)  
FROM HEAD OF RIVER. (STA. 03060128.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT TYPE.

GENERAL INFORMATION. DRAINAGE AREA NOT DETERMINED. BANKFULL STAGE, 41 FEET. MEAN LOW WATER STAGE  
6.3 FEET. PRIOR TO 1975 GAGE ZERO WAS 0.18 FOOT, NGVD.

RECORDS AVAILABLE. STAGE, 1885 TO DATE.

EXTREMES. HIGHEST, 46.98 FEET ON MAY 14 TO 16, 1927. LOWEST, 0.60 FOOT ON JAN. 19, 1981.  
EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	4.4	16.9	26.9	25.5	20.0	27.6	21.8	11.6	7.9	5.8	8.2	6.0
2	4.7	16.9	27.3	25.6	20.1	28.1	21.5	11.3	8.3	5.8	7.8	6.3
3	4.4	17.3	27.5	25.4	20.1	28.3	20.4	11.2	8.4	5.4	8.4	6.9
4	3.8	17.5	27.5	25.1	20.4	28.5	19.4	11.4	8.5	5.5	8.7	
5	4.3	17.7	27.5	24.9	20.3	28.7	19.2	11.1	7.9	5.3	8.7	6.7
6	5.1	18.3	27.4	24.6	20.2	29.0	18.3	10.8	8.0	5.3	8.3	7.0
7	5.5	18.9	27.5	23.9	20.2	29.1	18.8	10.3	7.9	5.3	8.1	7.1
8	5.7	19.3	27.5	23.6	20.2	29.2	18.8	9.7	7.7	5.2	7.7	7.4
9	6.1	19.9	27.2	23.6	20.7	29.2	18.5	9.3	7.7	5.2	7.4	7.8
10	6.8	20.8	26.5	23.0 E	21.1	29.2	17.7	8.8	7.7	4.9	7.2	8.2
11	7.9	21.0	26.5	22.6	21.4	29.3	16.9	9.0	7.5	4.4	6.8	8.4
12	9.2	21.3	26.7	22.0	21.9	29.4	16.3	8.9	7.2	5.0	6.7	8.7
13	9.9	22.3	26.0	21.8	22.4	29.4	15.5	8.8	7.4	5.2	6.4	9.6
14	10.4	22.8	25.3	21.2	22.8	29.4	15.2	8.7	7.0	5.9	6.2	10.1
15	10.6	23.1	25.0	21.1	23.9	29.4	14.8	8.7	7.1	7.0	5.9	10.5
16	11.0	23.3	24.8	20.9	24.3	29.1	14.4	8.5	7.0	6.7	5.8	10.7
17	11.2	24.3	24.4	20.5	24.7	29.0	13.6	8.6	7.0	6.9	5.8	10.6
18	11.2	24.7	24.2	20.1	24.6	28.7	13.1	8.6	6.9	7.1	5.7	10.5
19	12.3	25.1	24.2	19.9	24.4	28.1	12.6	8.6	6.9	7.2	5.8	10.0
20	12.1	25.3	24.0	19.7	24.6	27.6	12.2	8.4	6.5	7.7	6.0	9.8
21	13.4	25.7	23.8	19.7	24.7	27.1	12.2	8.2	6.4	8.0	6.3	9.7
22	13.4	26.0	23.9	19.5	24.6	26.9	12.2	7.7	6.2	8.3	6.4	10.4
23	12.8	26.2	23.9	19.2	24.7	25.9	12.2	7.3	5.8	8.0	6.4	12.0
24	12.9	26.3	24.2	19.6	24.7	25.6	11.6	7.2	5.5	8.3	6.5	13.2
25	14.6	26.3	24.2	20.0	24.8	25.3	12.1	7.1	5.4	8.1	6.6	13.3
26	15.3	26.4	24.2	19.9	25.5	24.4	11.8	6.9	5.5	8.0	6.7	13.8
27	15.7	26.8	24.5	19.9	25.6	24.2	12.2	6.7	5.6	8.5	6.2	14.9
28	15.8	26.9	24.7	20.1 E	25.7 E	23.0	12.2	6.9	5.7	8.4	6.1	17.7
29	16.0	-----	25.2	20.1	26.1	22.7	12.2	6.9	5.4	8.1	6.0	18.7
30	16.4	-----	25.5	20.1	26.6	22.1	12.1	7.1 E	5.5	7.8	5.3	19.3
31	16.7	-----	25.4	-----	27.3	-----	11.8	7.6	-----	7.7	-----	19.7

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	10.3	22.4	25.6	21.8	23.2	27.4	15.2	8.8	6.9	6.6	6.8	10.8
MAX	16.7	26.9	27.5	25.6	27.3	29.4	21.8	11.6	8.5	8.5	8.7	19.7
MIN	3.8	16.9	23.8	19.2	20.0	22.1	11.6	6.7	5.4	4.4	5.3	6.0
DAYS	31	28	31	30	31	30	31	31	30	31	30	30

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 364

E=ESTIMATED

THE MEAN STAGE FOR THE YEAR WAS 15.4.

HIGHEST STAGE WAS 29.4 ON JUN 12 AND LATER DATE(S).

LOWEST STAGE WAS 3.8 ON JAN 4.

## DAILY STAGE FOR 1990

## ATCHAFALAYA RIVER AT KROTZ SPRINGS, LA.

LOCATION. LAT. 30-32-07, LONG. 91-44-48. ON RIGHT BANK AT TENNECO OIL COMPANY WHARF, 41.3 MILES (1963 SURVEY) FROM HEAD OF RIVER AND 1,000 FEET DOWNSTREAM FROM MISSOURI PACIFIC RAILROAD BRIDGE. (STA. 03075128.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. DRAINAGE AREA NOT DETERMINED. BANKFULL STAGE, 37 FEET. MEAN LOW WATER STAGE, 6.1 FEET. ZERO OF GAGE, FROM 1935 THRU 1943 AND 1950 WAS MINUS 20.00 FEET, NGVD, 1944 THRU 1949 MINUS 0.03 FOOT, NGVD, 1951 TO DATE ZERO, NGVD.

RECORDS AVAILABLE. STAGE, 1912 TO DATE. DISCHARGE, OCT. 1934 TO SEPT. 1964 IN REPORTS OF U.S. GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 38.5 FEET ON MAY 15, 1927. LOWEST, 0.90 FOOT ON OCT. 18, 1976.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	4.25	15.05	23.53	22.25	17.60	24.07	19.25	10.30	7.10	5.32	7.32	5.42
2	4.48	15.05	23.85	22.42	17.71	24.50	19.02	9.98 E	7.30	5.28	7.00	5.70
3	3.97	15.39	24.00	22.28	17.79	24.68	17.99	9.90 E	7.50	5.02	7.58	6.60
4	3.43	15.60	24.15	22.05	18.02	24.85	17.22	10.08 E	7.60	5.10	7.90	5.99
5	3.97	15.74	24.09	21.85	17.85	25.01	16.99	9.80	7.30	4.84	7.98	5.89
6	4.68	16.25	24.05	21.58	17.76	25.30	16.21	9.52	7.30	4.92	7.50	6.11
7	5.02	16.72	24.11	21.09	17.72	25.39	16.30	9.10	7.30	4.96	7.30	6.28
8	5.21	17.09	24.11	20.80	17.71	25.45	16.30	8.53	7.20	4.85	6.85	6.41
9	5.50	17.59	23.79	20.75	18.19	25.45	16.25	8.21	7.20	4.90	6.80	6.88
10	6.16	18.38	23.25	20.23	18.58	25.50	15.49	7.85	7.20	4.49	6.22	7.30
11	7.10	18.48	23.25	19.90	18.78	25.60	14.92	8.01	7.00	3.95	5.85	7.40
12	8.25	18.75	23.42	19.47	19.22	25.63	14.44	7.95 E	6.80	4.60	5.75	7.70
13	8.95	19.52	22.83	19.30	19.63	25.70	13.78	7.85 E	6.90	4.60	5.72	8.50
14	9.38	20.11	22.19	18.80	19.98	25.70	13.51	7.80 E	6.50	5.32	5.60	8.90
15	9.52	20.45	21.99	18.72	20.90	25.52	13.10	7.75 E	6.50	6.29	5.30	9.30
16	9.94	20.58	21.78	18.41	21.24	25.30	12.77	7.61 E	6.40	6.02	5.23	9.40
17	10.09	21.30	21.41	18.08	21.55	25.20	12.05	7.70	6.30	6.19	5.21	9.40
18	10.22	21.63	21.29	17.71	21.50	25.00	11.70	7.75	6.15	6.34	5.15	9.40
19	11.18	21.95	21.28	17.51	21.37	24.49	11.23	7.68	6.19	6.38	5.30	9.00
20	10.97	22.18	21.08	17.30	21.48	24.00	10.88	7.58	5.80	6.91	5.47	8.80
21	12.05	22.53	20.91	17.30	21.62	23.61	10.83	7.30	5.74	7.20	5.75	8.60
22	12.05	22.79	20.92	17.15	21.50	23.48	10.81	6.92	5.53	7.50	5.80	9.30
23	11.50	22.98	20.99	16.91	21.55	22.65	10.80	6.52	5.09	7.10	5.80	10.60
24	11.53	23.03	21.21	17.21	21.59	22.29	10.34	6.42	4.79	7.40	5.89	11.40
25	13.01	23.08	21.20	17.50	21.68	22.15	10.73	6.29	4.91	7.25	6.00	11.80
26	13.65	23.12	21.20	17.49	22.24	21.55	10.42	6.08	5.03	7.11	6.05	12.20
27	13.97	23.36	21.48	17.43	22.39	21.28	10.79	5.99	5.05	7.64	5.61	13.10
28	14.11	23.50	21.60	17.65	22.50	20.38	10.80	6.20	5.20	7.58	5.61	15.40
29	14.28	-----	21.98	17.65	22.72	20.01	10.78	6.10	4.83	7.25	5.40	16.30
30	14.63	-----	22.23	17.75	23.20	19.53	10.65	6.30	4.95	7.00	4.70	16.90
31	14.85	-----	22.21	-----	23.72	-----	10.40	6.80	-----	6.90	-----	17.20

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	9.29	19.72	22.43	19.15	20.30	23.98	13.44	7.80	6.29	6.01	6.12	9.46
MAX	14.85	23.50	24.15	22.42	23.72	25.70	19.25	10.30	7.60	7.64	7.98	17.20
MIN	3.43	15.05	20.91	16.91	17.60	19.53	10.34	5.99	4.79	3.95	4.70	5.42
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

E=ESTIMATED

THE MEAN STAGE FOR THE YEAR WAS 13.61.

HIGHEST STAGE WAS 25.85 AT 2:30 P.M. ON JUN 11.

LOWEST STAGE WAS 3.37 ON JAN 4.

## DAILY STAGE FOR 1990

## ATCHAFALAYA RIVER AT ATCHAFALAYA, LA.

LOCATION. LAT. 30-20-46, LONG. 91-43-18. ON RIGHT BANK 59.3 MILES (1963 SURVEY) FROM HEAD OF RIVER. (STA. 03090120.)

GAGE. STAFF TYPE IN SEVERAL SECTIONS.

GENERAL INFORMATION. DRAINAGE AREA NOT DETERMINED. BANKFULL STAGE, 28 FEET. MEAN LOW WATER STAGE, 5.6 FEET. PRIOR TO 1975 GAGE ZERO WAS MINUS 0.16 FOOT, NGVD.

RECORDS AVAILABLE. STAGE, JAN. 1, 1931 TO DATE. FROM FEB. 1951 TO DEC. 1958, GAGE WAS ABOUT 0.8 MILE UPSTREAM. DISCHARGE, INTERMITTENTLY, 1945 TO 1950 AND 1955 TO 1979.

EXTREMES. HIGHEST, 30.22 FEET ON MAY 5, 1950. LOWEST, 0.40 FOOT ON JAN. 17, 1981. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	E 3.50	12.90	19.60	18.50	14.90	19.70	16.30	8.70	6.00	5.39	7.37	5.27
2	E 3.50	13.00	19.60	18.60	14.90	19.90	16.10	8.70	6.20	5.31	7.14	5.30
3	E 3.30	13.30	19.80	18.50	15.00	20.20	15.60	8.70	6.40	5.08	7.42	5.86
4	E 3.10	13.40	20.00	18.30	15.00	20.30	15.00	8.70	6.50	5.18	7.58	6.03
5	3.70	13.60	20.00	18.10	14.90	20.40	14.60	8.50	6.40	4.99	7.56	6.00
6	4.20	13.90	20.00	18.00	14.90	20.60	14.20	8.20	6.40	5.00	7.33	5.83
7	4.60	14.20	20.00	17.70	14.90	20.60	14.10	8.00	6.30	5.04	7.29	5.92
8	4.90	14.60	19.90	17.50	15.10	20.70	14.20	7.70	6.30	4.93	6.78	6.31
9	5.10	14.90	19.70	17.30	15.30	20.80	13.80	7.50	6.20	4.86	6.59	6.71
10	5.60	15.50	19.50	16.90	15.50	20.80	13.40	7.30	6.20	4.56	6.63	6.94
11	6.40	15.80	19.40	16.70	15.60	20.80	13.00	7.20	6.20	4.21	6.49	6.91
12	7.30	16.00	19.40	16.50	15.90	20.80	12.70	7.10	6.20	4.77	6.51	7.11
13	7.90	16.40	19.40	16.20	16.30	20.80	12.20	7.10	6.20	4.84	6.17	7.68
14	8.20	16.90	19.10	16.00	16.70	20.80	11.80	7.00	6.10	5.39	6.03	8.09
15	8.50	17.20	18.70	15.80	17.30	20.80	11.50	6.90	6.10	6.25	5.85	8.38
16	8.70	17.30	18.40	15.60	17.60	20.80	11.20	6.80	6.00	6.12	5.69	8.55
17	8.80	17.40	18.20	15.40	17.80	20.60	10.80	6.80	6.00	6.05	5.66	8.34
18	9.00	18.20	18.00	15.00	17.80	20.30	10.40	6.90	5.90	6.39	5.49	8.13
19	9.50	18.50	17.90	14.90	17.80	20.10	10.00	7.00	5.80	6.40	5.54	8.02
20	9.80	18.60	17.80	14.80	17.80	19.90	9.80	6.90	5.61	6.73	5.69	7.78
21	10.20	18.80	17.60	14.70	17.90	19.60	9.70	6.70	5.51	6.88	5.84	7.70
22	10.40	19.00	17.60	14.60	17.90	19.40	9.60	6.50	5.29	7.22	5.84	8.05
23	10.40	19.10	17.60	14.50	18.00	18.90	9.50	6.30	4.99	7.03	5.68	9.22
24	10.40	19.20	17.70	14.60	18.00	18.50	9.40	6.00	4.87	7.26	5.78	10.60
25	11.20	19.20	17.70	14.80	18.10	18.30 E	9.70	5.90	4.84	7.31	5.82	10.65
26	11.80	19.30 E	17.80	14.80	18.30	17.90	9.40	5.80	4.94	7.20	5.69	10.98
27	12.00	19.40	17.80	14.80	18.40	17.60	9.40	5.80	5.02	7.62	5.36	11.63
28	12.10	19.50	18.00	14.90	18.70	17.10	9.40	5.70	4.89	7.64	5.37	13.35
29	12.30	-----	18.20	14.90	19.00	16.80	9.40	5.70	4.64	7.45	5.69	14.11
30	12.50	-----	18.50	14.90	19.20	16.50	9.20	5.70	4.74	7.22	5.01	14.60
31	12.70	-----	18.50	-----	19.40	-----	9.00	5.80	-----	7.15	-----	14.94

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	8.12	16.61	18.75	16.13	16.90	19.68	11.75	7.02	5.76	6.05	6.23	8.55
MAX	12.70	19.50	20.00	18.60	19.40	20.80	16.30	8.70	6.50	7.64	7.58	14.94
MIN	3.10	12.90	17.60	14.50	14.90	16.50	9.00	5.70	4.64	4.21	5.01	5.27
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

E=ESTIMATED

THE MEAN STAGE FOR THE YEAR WAS 11.75.

HIGHEST STAGE WAS 20.80 ON JUN 9 AND LATER DATE(S).

LOWEST STAGE WAS ESTIMATED 3.10 ON JAN 4.

## DAILY STAGE FOR 1990

ATCHAFALAYA RIVER AT BUTTE LA ROSE, LA.

LOCATION. LAT. 30-16-57, LONG. 91-41-17. ON RIGHT BANK 64.8 MILES (1963 SURVEY) FROM HEAD OF RIVER, 600 FEET NORTH OF BOAT LAUNCHING RAMP. (STA. 0312012D.)

GAGE. WIRE WEIGHT TYPE.

GENERAL INFORMATION. DRAINAGE AREA NOT DETERMINED. BANKFULL STAGE, 18 FEET. MEAN LOW WATER STAGE, 5.17 FEET. PRIOR TO OCT. 17, 1967, GAGE WAS LOCATED ON LEFT BANK. PRIOR TO 1975 GAGE ZERO WAS MINUS 0.30 FOOT, NGVD.

RECORDS AVAILABLE. STAGE, MAY 29, 1928 TO DATE.

EXTREMES. HIGHEST, 27.28 FEET ON MAY 23, 1973. LOWEST, 0.33 FOOT ON OCT. 17, 1976. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3.46	11.81	18.11	17.19	13.51	17.89	15.01	8.10	5.36	3.80	5.40	3.90
2	3.54	11.91	18.30	17.06	13.56	18.10	14.76	7.86	5.57	3.80	5.30	3.73
3	3.16	12.16	18.41	16.85	13.56	18.44	14.36	7.80	5.66	3.70	5.50	3.92
4	2.91	12.31	18.42	16.88	13.58	18.57	13.76	7.87	5.77	3.80	5.90	4.11
5	3.98	12.44	18.46	16.75	13.66	18.65	13.55	7.71	5.46	3.60	5.90	4.13
6	3.76	12.81	18.43	16.59	13.59	18.86	13.02	7.51	5.49	3.50	5.50	4.33
7	4.11	13.14	18.45	16.21	13.58	18.93	13.14	7.16	5.51	3.50	5.40	4.46
8	4.27	13.39	18.45	15.99	13.51	18.99	12.99	6.81	5.36	3.40	5.10	4.99
9	4.57	13.81	18.31	15.83	13.81	19.01	12.76	6.56	5.33	3.40	5.20	4.72
10	5.06	14.41	17.93	15.60	13.91	19.04	12.46	6.28	5.31	3.10	4.80	4.59
11	5.71	14.41	17.84	15.41	14.11	19.11	12.01	6.33	5.16	2.70	4.30	5.11
12	6.51	14.53	17.96	15.13	14.41	19.18	11.71	6.36	5.15	3.20	4.40	5.29
13	7.06	14.71	17.67	14.96	14.71	19.15	11.26	6.28	5.17	3.30	4.20	5.78
14	7.51	15.26	17.26	14.66	15.18	19.15	10.93	6.24	4.93 E	4.00	4.10	6.32
15	7.56	15.58	17.16	14.55	15.71	19.06	10.59	6.21	4.94 E	4.80	3.90	6.90
16	7.81	16.03	16.95	14.34	16.00	19.00	10.35	6.10	4.85	4.30	3.90	7.11
17	8.01	16.43	16.70	14.16	16.21	18.94	9.86	6.06	4.84	4.50	3.90	7.10
18	8.03	16.68	16.55	13.90	16.26	18.80	9.62	6.11	4.75	4.60	3.80	7.12
19	8.61	16.98	16.49	13.71	16.19	18.55	9.21	5.62	4.76	4.60	3.90	6.80
20	8.68	17.12	16.35	13.55	16.29	18.26	8.91	5.79	4.55	4.70	4.10	6.65
21	8.93	17.33	16.23	13.49	16.41	18.01	8.81	5.72	4.49	5.30	4.30	6.60
22	9.32	17.54	16.19	13.40	16.40	17.97	8.78	5.46	4.43	5.60 E	4.30	6.95
23	9.51	17.68	16.19	13.24	16.40	17.48	8.73	5.12	4.14	5.20	4.30	7.90
24	10.19	17.74	16.31	13.33	16.41	17.18	8.39	5.13	3.71	5.40	4.30	8.60
25	9.04	17.79	16.22	13.46	16.49	17.03	8.59	4.87	3.80	5.20	4.40	8.80
26	10.66	17.81	16.29	13.47	16.81	16.61	8.28	4.62	3.86	5.10	4.50	9.10
27	11.01	18.01	16.41	13.50	16.90	16.41	8.46	4.60	3.89	5.40	4.30	9.60
28	11.31	18.06	16.49	13.54	17.04	15.92	8.48	4.68	4.01	5.50	4.10	11.20
29	11.36	-----	16.73	13.54	17.21	15.63	8.53	4.75	3.77	5.30	3.80	12.00
30	11.22	-----	16.99	13.56	17.33	15.29	8.39	4.82	-----	5.10	3.40	12.44
31	11.71	-----	16.99	-----	17.55	-----	8.21	5.07	-----	5.10	-----	12.66

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	7.37	15.28	17.27	14.79	15.36	18.11	10.77	6.12	4.83	4.34	4.54	6.87
MAX	11.71	18.06	18.46	17.19	17.55	19.18	15.01	8.10	5.77	5.60	5.90	12.66
MIN	2.91	11.81	16.19	13.24	13.51	15.29	8.21	4.60	3.71	2.70	3.40	3.73
DAYS	31	28	31	30	31	30	31	31	29	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 364

E=ESTIMATED

THE MEAN STAGE FOR THE YEAR WAS 10.45.

HIGHEST STAGE WAS 19.18 ON JUN 12.

LOWEST STAGE WAS 2.70 ON OCT 11.

## DAILY STAGE FOR 1990

## BAYOU LA ROMPE AT LAKE LONG (LA.)

LOCATION. LAT. 30-13-29 LONG. 91-35-18. TOWER ON RIGHT BANK OF BAYOU LA ROMPE 400 FEET UPSTREAM OF LAKE LONG. (STA. 03210120.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1932 TO 1945 AND 1959 TO 1962. DAILY, JAN. 1971 TO MAR. 14, 1973 AND OCT. 24, 1974 TO DATE.

EXTREMES. (FROM 1971 TO DATE) HIGHEST, 22.84 FEET ON APR. 18, 1975. LOWEST, 1.50 FEET ON NOV. 11, 1987.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	4.06	11.75				17.26	14.68	8.43	5.99	4.90	6.25	
2	4.17	11.83				17.50	14.50	8.23	6.19	4.89	6.17	
3	3.83	12.03				17.63	14.03	8.15	6.24	4.81	6.40	
4	3.51	12.21		F 16.35		17.73	13.57	8.21		4.86	6.73 F	5.42
5	3.82	12.31				17.82	13.31	8.09		4.56	6.76	5.37
6	4.35	12.61				18.05	12.84	7.87 F	6.18	4.63	6.42	5.52
7	4.67	12.89 F	17.70			18.13	12.90	7.60	6.19	4.70	6.33	5.65
8	4.78	13.13				18.15	12.83	7.24	6.06	4.61	6.03	5.60
9	5.07	13.47			13.68	18.19	12.67	7.03	6.05	4.70	6.30	5.85
10	5.54	13.98				18.23	12.29	6.74	6.02	4.25	5.70	6.10
11	6.13	14.10		15.05		18.26	11.93	6.79	5.93	3.80	5.35	6.15
12	6.91	14.28				18.30	11.70	6.83	5.86	4.32	5.35	6.44
13	7.37	14.72 F	17.02			18.29	11.28	6.75	5.91	4.31	5.12	6.93
14	7.71		16.69			18.25	10.99	6.70	5.70	4.84	5.06	7.22
15	7.85					18.22	10.69	6.70	5.71	5.44	4.92	7.49
16	8.17					18.12	10.45	6.61	5.64	5.38	4.89	7.65
17	8.31					18.06	10.04	6.65	5.61	5.46	4.87	7.62
18	8.34			13.65		17.94	9.80	6.71	5.53	5.62	4.83	7.67
19	8.87			13.50		17.73	9.45	6.65	5.55	5.52	4.98	7.41
20	8.93		F 15.80	13.38		17.52	9.17	6.53	5.33	5.95	5.04	7.26
21	9.52			13.33		17.29	9.10	6.36	5.24	6.16	5.25	7.21
22	9.67			13.20		17.18	9.05	6.13	5.15	6.46	5.34	7.60
23	9.40 F	17.00		13.06	15.86	16.84	8.98	5.85	4.80	6.20	5.29	8.37
24	9.38			F 13.18	15.86	16.60	8.68	5.73	4.48	6.29	5.30	9.00
25	10.30				15.95	16.43	8.85	5.58	4.58	6.17	5.35	9.15
26	10.72				16.21	16.07	8.60	5.42	4.65	6.01		9.44
27	10.96		F 15.86		16.31	15.90	8.74	5.35	4.68	6.35		9.98
28	11.08 F	17.30			16.45	15.45	8.76	5.46	4.85	6.36		11.32
29	11.25	-----			16.60	15.19	8.80	5.55	4.60	6.21		11.95
30	11.45	-----			16.83	14.86	8.70	5.58	4.66	6.06		12.36
31	11.62	-----		-----	17.09	-----	8.52	5.81	-----	6.00	-----	12.63

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	7.67	13.57	16.61	13.86	16.08	17.37	10.84	6.69	5.48	5.35	5.60	7.87
MAX	11.62	17.30	17.70	16.35	17.09	18.30	14.68	8.43	6.24	6.46	6.76	12.63
MIN	3.51	11.75	15.80	13.06	13.68	14.86	8.52	5.35	4.48	3.80	4.83	5.37
DAYS	31	15	5	9	10	30	31	31	28	31	25	28

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 274

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 9.32.

HIGHEST STAGE WAS 18.33 AT 7:00 P.M. ON JUN 11.

LOWEST STAGE WAS 3.44 ON JAN 4.

## DAILY STAGE FOR 1990

## WHISKEY BAY PILOT CHANNEL BELOW HEAD (LA.)

LOCATION. LAT. 30-23-35, LONG. 91-39-59. TOWER ON RIGHT BANK, 600 FEET BELOW JUNCTION WITH ATCHAFALAYA RIVER, 55.4 MILES (1963 SURVEY) FROM HEAD OF ATCHAFALAYA RIVER VIA ATCHAFALAYA BASIN MAIN CHANNEL. (STA. 03240120.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. DEC. 6, 1958 TO JUN. 20, 1973 AND JAN. 9, 1976 TO DATE.

EXTREMES. HIGHEST, 30.00 FEET ON MAY 22, 1973. LOWEST, 0.48 FOOT ON OCT. 17, 1976.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3.90	13.08	20.17	19.05	15.12		16.64	9.11	6.25	4.77	6.49	4.86
2	4.07	13.10	20.42	19.11	15.17		16.43	8.85	6.48	4.76	6.29	5.11
3	3.59	13.37	20.55	19.04	15.24		15.66	8.77	6.56	4.60	6.66	5.90
4	3.18	13.60	20.57	18.84	15.39		15.08	8.88	6.66	4.65	6.99	5.48
5	3.60	13.73	20.60	18.71	15.31			8.70	6.25	4.38	7.03	5.43
6	4.21	14.14	20.58	18.49	15.23			8.46	6.32	4.44	6.64	5.60
7	4.54	14.49	20.60	18.07	15.20			8.11	6.31	4.49	6.52	5.66
8	4.73	14.76	20.62	17.83	15.16			7.64	6.16	4.37	6.16	5.70
9	5.02	15.26	20.35	17.75	15.55			7.42	6.15	4.42	6.30	6.02
10	5.56	15.97	19.91	17.36	15.89			7.09	6.15	4.01	5.76	6.33
11	6.32	16.06	19.90	17.14	16.03			7.19	5.99	3.57	5.40	6.39
12	7.42	16.28	19.97	16.80	16.37			7.20	5.90	4.07	5.39	6.71
13	7.97	16.90		16.66	16.73			7.09	5.97	4.10	5.14	7.33
14	8.33	17.28		16.23	17.06			7.08	5.70	4.70	5.03	7.69
15	8.44	17.56		16.15	17.80			7.01	5.74	5.43	4.85	7.93
16	8.77	17.70		15.95	18.12			6.90	5.65	5.27	4.80	7.78
17	8.94	18.26		15.69	18.39			6.95	5.64	5.40	4.78	7.82
18	8.98	18.54		15.40	18.30			7.03	5.51	5.55	4.73	7.80
19	9.79	18.84		15.23	18.20	F 20.75		6.96	5.55	5.50	4.88	7.80
20	9.65	19.00		15.10	18.28	20.44		6.84	5.26	5.96	4.96	7.61
21	10.62	19.30		15.03	18.44	20.14		6.65	5.20	6.22	5.21	7.55
22	10.68	19.49	F 17.98	14.90	18.40	20.00		6.34	5.05	6.50	5.33	8.15
23	10.11	19.69	18.02	14.72	18.40	19.35		F 6.07	4.66	6.21	5.25	9.20
24	10.30	19.75	18.20	14.90	18.40	19.10			4.39	6.40	5.31	10.01
25	11.58	19.80	18.19	15.09	18.50	18.95			4.41	6.28	5.41	10.04
26	12.04	19.81	18.16	15.08	18.95	18.43			4.50	6.25	5.40	10.49
27	12.19	20.08	18.36	15.00	19.08	18.19			4.54	6.65	5.15	11.22
28	12.31	20.14	18.50	15.20	19.19	17.57			4.69	6.64	5.13	13.02
29	12.46	-----	18.75	15.20	19.42	17.24		F 5.55	4.42	6.43	4.90	13.75
30	12.76	-----	19.03	15.20	19.74	16.86		5.65	4.51	6.21	4.28	14.22
31	12.92	-----	19.03	-----	20.12	-----	F 9.20	5.99	-----	6.16	-----	14.56

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	8.23	17.00	19.48	16.50	17.33	18.92	14.60	7.29	5.55	5.30	5.54	8.17
MAX	12.92	20.14	20.62	19.11	20.12	20.75	16.64	9.11	6.66	6.65	7.03	14.56
MIN	3.18	13.08	17.98	14.72	15.12	16.86	9.20	5.55	4.39	3.57	4.28	4.86
DAYS	31	28	22	30	31	12	5	26	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 307

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 11.18.

HIGHEST STAGE WAS (FROM INCOMPLETE RECORD) WAS 20.75 AT 8:15 P.M. ON JUN 19.

LOWEST STAGE WAS 3.15 ON JAN 4.

## DAILY STAGE FOR 1990

## BLIND TENSAS CUT BELOW UPPER GRAND RIVER (LA.)

LOCATION. LAT. 30-14-26, LONG. 91-33-54. ON RIGHT BANK, ABOUT 300 FEET BELOW JUNCTION WITH UPPER GRAND RIVER, 68.4 MILES (1963 SURVEY) FROM HEAD OF ATCHAFALAYA RIVER VIA ATCHAFALAYA BASIN MAIN CHANNEL. (STA. 03315120.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. STAGE, DEC. 9, 1958 TO JUNE 30, 1970 AND OCT. 2, 1974 TO DATE. PRIOR TO NOV. 1964, GAGE WAS ON LEFT BANK. DISCHARGE, 1932 TO 1942, AND INTERMITTENTLY, 1944 TO 1950, 1955 TO 1961, AND 1968 TO 1979.

EXTREMES. HIGHEST, (FROM INCOMPLETE RECORD) 23.80 FEET ON APR. 8, 1975. LOWEST, (FROM INCOMPLETE RECORD) 0.97 FOOT ON JUNE 24, 1964.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1981 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3.62	11.10	16.53	15.66	12.73	16.50	13.99	7.84		4.44	5.75	4.40
2	3.75	11.17	16.68	15.73	12.76	16.70	13.80	7.64		4.43	5.64	4.64
3	3.36	11.37	16.78	15.67	12.80	16.83	13.33	7.57		4.35	5.93	5.45
4	3.02	11.56	16.82	15.55	12.88	16.90 F	12.87	7.63		4.39	6.29	4.95
5	3.35	11.64	16.84	15.45	12.86	17.03		7.48		4.08	6.30	4.87
6	3.87	11.94	16.80	15.31	12.78	17.17		7.29 F	5.65	4.17	5.93	5.03
7	4.20	12.25	16.84	15.01	12.77	17.23		7.01	5.67	4.25	5.83	5.14
8	4.32	12.48	16.85	14.83	12.76 F	17.25		6.63	5.54	4.15	5.53	5.08
9	4.57	12.85	16.74	14.77	13.06	17.33		6.44	5.54	4.22	5.85	5.34
10	4.99	13.32	16.47	14.53	13.25	17.30		6.16	5.53	3.75	5.16	5.57
11	5.58	13.43	16.41	14.33	13.35			6.25	5.42	3.39	4.82	5.62
12	6.34	13.62	16.45	14.10	13.61			6.26	5.36	3.86	4.84	5.92
13	6.80	14.06	16.20	13.94	13.90			6.20	5.44	3.85	4.58	6.40
14	7.15	14.32	15.87	13.66	14.14	17.40		6.17	5.23	4.36	4.52	6.67
15	7.28	14.53	15.76	13.60	14.64	17.37		6.17	5.23	4.96	4.38	6.94
16	7.51	14.77	15.60	13.44	14.84	17.27		6.10	5.16	4.90	4.36	7.14
17	7.66	15.03	15.35	13.23	15.05	17.23		6.14	5.14	4.99	4.35	7.10
18	7.67	15.25	15.25	13.05	14.98	17.10 F	9.10	6.20	5.03	5.15	4.31	7.15
19	8.25	15.49	15.21	12.93	15.02	16.90		6.13	5.05	5.03	4.47	6.86
20	8.27	15.64	15.08	12.83	15.10	16.70		6.01	4.84	5.47	4.54	6.73
21	8.89	15.81	14.95	12.77	15.10	16.50		5.84	4.78	5.67	4.75	6.65
22	9.03	16.05	14.92	12.65	15.10	16.40		5.60	4.66	5.95	4.84	7.09
23	8.74	16.14	14.91	12.53	15.10	16.03		5.34	4.30	5.70	4.80	7.83
24	8.72	16.20	15.01	12.60	15.15	15.83		5.19	4.00	5.79	4.82	8.43
25	9.67	16.24	15.00	12.66	15.20	15.70		5.04		5.67	4.88	8.59
26	10.09	16.30	14.97	12.66	15.52	15.35 F	8.02	4.89 F	4.16	5.54	4.90	8.85
27	10.34	16.43	15.10	12.68	15.60	15.15	8.15	4.84	4.23	5.85	4.72	9.35
28	10.43	16.50	15.22	12.75	15.70	14.75	8.15	4.99	4.35	5.85	4.70	10.73
29	10.61	-----	15.42	12.76	15.86	14.49	8.17		4.15	5.70	4.45	11.37
30	10.81	-----	15.64	12.80	16.09	14.20	8.08		4.20	5.55	3.88	11.76
31	10.97	-----	15.64	-----	16.34	-----	7.92		-----	5.49	-----	12.05

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	7.09	14.12	15.85	13.82	14.32	16.47	10.14	6.25	4.94	4.87	5.00	7.09
MAX	10.97	16.50	16.85	15.73	16.34	17.40	13.99	7.84	5.67	5.95	6.30	12.05
MIN	3.02	11.10	14.91	12.53	12.73	14.20	7.92	4.84	4.00	3.39	3.88	4.40
DAYS	31	28	31	30	31	27	11	28	24	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 333

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 10.02.

HIGHEST STAGE WAS 17.44 AT 1:00 P.M. ON JUN 14.

LOWEST STAGE WAS 2.95 ON JAN 4.



## DAILY STAGE FOR 1990

## CHICOT PASS AT WEST FORK CHICOT PASS (LA.)

LOCATION. LAT. 30-03-39, LONG. 91-29-08. TOWER ON RIGHT BANK 83.0 MILES (1963 SURVEY) FROM HEAD OF ATCHAFALAYA RIVER VIA ATCHAFALAYA BASIN MAIN CHANNEL. (STA. 0346509.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JAN. 10, 1959 TO JUNE 30, 1973 AND JULY 11, 1974 TO DATE.

EXTREMES. HIGHEST, 20.70 FEET ON MAY 26, 1973. LOWEST, 1.73 FEET ON OCT. 18, 1967.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1981 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	4.65	10.85	14.60	14.80	12.43	15.30	13.43	8.35	6.35	5.46	6.45	5.39
2	4.75	10.94	14.45	14.83	12.43	15.25	13.27	8.20	6.53	5.44	6.42	5.60
3	4.41	11.07	14.40	14.80	12.42	15.55	12.88	8.14	6.62	5.46	6.66	6.46
4	4.10	11.24	14.39	14.71	12.45	15.63	12.50	8.16	6.69	5.46	6.94	5.86
5	4.36	11.25	14.36	14.65	12.49	15.67	12.30	8.04	6.40	5.11	6.95	5.79
6	4.83	11.53	14.37	14.55	12.48	15.76	11.93	7.88	6.44	5.23	6.67	5.92
7	5.10	11.74	14.33	14.32	12.47	15.83	11.95	7.66	6.49	5.34	6.59	6.04
8	5.19	11.94	14.30	14.15	12.47	15.86	11.85	7.34	6.37	5.26	6.29	5.89
9	5.42	12.23	14.37	14.09	12.63	15.88	11.75	7.16	6.36	5.34	6.90	6.11
10	5.77	12.62	14.54	13.92	12.73	15.89	11.44	6.98	6.36	4.76	6.03	6.28
11	6.24	12.70	14.60	13.74	12.82	15.91	11.17	7.03	6.31	4.45	5.68	6.31
12	6.91	12.86	14.58	13.56	13.02	15.94	10.94	7.04	6.30	4.89	5.74	6.60
13	7.27	13.21	14.75	13.43	13.27	15.95	10.64	7.04	6.33	4.81	5.50	7.00
14	7.60	13.49	15.02	13.22	13.42	15.96	10.37	7.00	6.14	5.30	5.48	7.21
15	7.72	13.71	14.93	13.14	13.81	15.98	10.14	7.04	6.13	5.79	5.38	7.43
16	7.89	13.90	14.80	12.99	14.01	15.93	9.96	6.90	6.06	5.75	5.37	7.59
17	8.03	14.14	14.63	12.84	14.17	15.88	9.65	6.95	6.05	5.84	5.36	7.58
18	8.05	14.33	14.49	12.64	14.19	15.84	9.44	7.01	5.94	5.98	5.35	7.66
19	8.48	14.54	14.44	12.49	14.19	15.70	9.17	6.93	5.96	5.79	5.33	7.43
20	8.55	14.64	14.33	12.48	14.24	15.60	8.96	6.81	5.79	6.24	5.55	7.35
21	8.97	14.78	14.23	12.48	14.33	15.45	8.88	6.65	5.75	6.43	5.76	7.30
22	9.15	14.96	14.20	12.49	14.33	15.37	8.85	6.46	5.63	6.69	5.86	7.59
23	8.94	14.88	14.18	12.48	14.27	15.15	8.78	6.23	5.25	6.42	5.80	8.24
24	8.88	14.84	14.25	12.47	14.34	14.95	8.53	6.06	4.99	6.50	5.79	8.62
25	9.67	14.84	14.26	12.47	14.39	14.82	8.61	5.93	5.16	6.36	5.83	8.75
26	9.98	14.79	14.24	12.47	14.57	14.55	8.45	5.77	5.23	6.23	5.84	8.99
27	10.22	14.68	14.32	12.47	14.65	14.41	8.57	5.75	5.25	6.51	5.71	9.37
28	10.30	14.64	14.40	12.43	14.74	14.05	8.60	5.92	5.37	6.52	5.67	10.44
29	10.47	-----	14.56	12.43	14.86	13.83	8.61	6.01	5.20	6.40	5.39	10.96
30	10.61	-----	14.80	12.43	14.98	13.60	8.53	6.00	5.26	6.26	4.90	11.30
31	10.74	-----	14.79	-----	15.19	-----	8.41	6.20	-----	6.23	-----	11.52

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	7.52	13.26	14.48	13.33	13.64	15.39	10.28	6.92	5.96	5.75	5.91	7.57
MAX	10.74	14.96	15.02	14.83	15.19	15.98	13.43	8.35	6.69	6.69	6.95	11.52
MIN	4.10	10.85	14.18	12.43	12.42	13.60	8.41	5.75	4.99	4.45	4.90	5.39
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 9.97.  
 HIGHEST STAGE WAS 16.00 AT 1:30 P.M. ON JUN 14.  
 LOWEST STAGE WAS 4.10 ON JAN 4.

## DAILY STAGE FOR 1990

## CHICOT PASS NEAR MYETTE POINT (LA.)

LOCATION. LAT. 29-53-33, LONG. 91-26-44. ON RIGHT BANK, 3/4 MILE ABOVE MYETTE POINT, 95.4 MILES (1963 SURVEY) FROM HEAD OF ATCHAFALAYA RIVER VIA ATCHAFALAYA BASIN MAIN CHANNEL. (STA. 0354010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. STAGE MAR. 27, 1963 TO DATE. DISCHARGE, INTERMITTENTLY, 1935 TO 1950, 1955 TO 1961, AND 1968 TO 1979.

EXTREMES. HIGHEST, 17.80 FEET ON MAY 24, 1973. LOWEST, (FROM INCOMPLETE RECORD) MINUS 0.06 FOOT (DATE UNDETERMINED) IN 1976.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1981 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3.44		12.45	11.97	9.94	12.53	10.95	6.51		4.24	5.00	4.12
2	3.40		12.50	11.99	9.95	12.66	10.82	6.41		4.22	5.02	4.30
3	3.32		12.60	11.94	10.00	12.75	10.55	6.34		4.33	5.23	5.20
4	3.02		12.65	11.92	10.00	12.79	10.21	6.33		4.29	5.52	4.54
5	3.12		12.66	11.82	10.00	12.85	10.06	6.23		3.92	5.51	4.49
6	3.49		12.65	11.74	9.94	12.91	9.75	6.10 F	5.01	4.05	5.26	4.60
7	3.73		12.67	11.52	9.95	12.97			5.07	4.19	5.19	4.70
8	F 3.82		12.72	11.43	9.94	13.00			4.97	4.14	4.94	4.46
9			12.65	11.36	10.20	13.03			4.96	4.24	5.64	4.65
10			12.55	11.23	10.21	13.06			4.96	3.69	4.65	4.79
11			12.49	11.06	10.32	13.09			4.97	3.31	4.34	4.80
12			12.50	10.94	10.50	13.11			5.00	3.73	4.39	5.09
13			12.38	10.83	10.71	13.11			4.96	3.60	4.15	5.39
14			12.24	10.66	10.89	13.13			4.82	4.03	4.16	5.56
15			12.02	10.56	11.15	13.10			4.77	4.42	4.10	5.75
16			11.95	10.49	11.34	13.09			4.70	4.43	4.09	5.90
17			11.82	10.34	11.47	13.05			4.70	4.50	4.10	5.90
18			11.80	10.17	11.55	12.99			4.60	4.64	4.12	6.01
19			11.68	10.06	11.57	12.89			4.63	4.40	4.27	5.84
20			11.53	9.99	11.64	12.77			4.49	4.86	4.30	5.76
21			11.52	9.93	11.69	12.65			4.46	5.02	4.51	5.73
22			11.52	9.84	11.65	12.56			4.35	5.26	4.61	5.92
23			11.49	9.75	11.66	12.40 F	6.90		3.99	5.00	4.53	6.40
24			11.50	9.79	11.69	12.25	6.69		3.73	5.06	4.50	6.64
25			11.49	9.86	11.74	12.10	6.72		3.97	4.91	4.52	6.76
26			11.46	9.88	11.87	11.86	6.56		4.04	4.81	4.53	6.95
27			11.55	9.93	11.95	11.79	6.64		4.04	5.03	4.46	7.26
28			11.64	9.90	12.03	11.49	6.67		4.16	5.04	4.45	8.19
29			11.75	9.93	12.13	11.32	6.70		4.01	4.94	4.10	8.68
30		-----	11.98	10.05	12.26	11.10	6.61		4.07	4.85	3.66	8.95
31		-----	11.95	-----	12.42	-----	6.54		-----	4.81	-----	9.16

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	3.42		12.08	10.70	11.04	12.61	8.16	6.32	4.54	4.45	4.59	5.89
MAX	3.82		12.72	11.99	12.42	13.13	10.95	6.51	5.07	5.26	5.64	9.16
MIN	3.02		11.46	9.75	9.94	11.10	6.54	6.10	3.73	3.31	3.66	4.12
DAYS	8	0	31	30	31	30	15	6	25	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 268

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 8.12.

HIGHEST STAGE WAS 13.13 AT 8:00 A.M. ON JUN 14.

LOWEST STAGE WAS 3.00 ON JAN 4.

## DAILY STAGE FOR 1990

## GRAND LAKE AT CHARENTON FLOODGATE (LA.)

LOCATION. LAT. 29-54-08, LONG. 91-31-12. ON NORTHEAST WALL IN FOREBAY OF THE STRUCTURE.  
(STA. 0355013.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. FEB. 6, 1974 TO DATE.

EXTREMES. HIGHEST, 16.20 FEET ON APR. 22 AND 23, 1975. LOWEST, 0.80 FOOT ON OCT. 10, 1976.

## DAILY SEVEN A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G. (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.1	7.4	11.8	11.2	9.0	11.7	10.4	6.3	3.9	2.5		2.8
2	2.8	7.8	11.9	11.2	9.0	11.9	10.1	6.3	3.8	2.5		2.8
3	2.6	7.9	12.0	11.3	9.0	12.0	9.9	6.2	3.9	2.5		2.9
4	2.6	8.0	12.0	11.1	9.0	12.2	9.8	6.1	3.9	2.7		2.9
5	2.6	8.0	12.1	11.1	9.1	12.4	9.6	6.0	4.0	2.9		2.9
6	2.5	8.2	12.1	11.0	9.1	12.4	9.4	5.7	4.0	3.0		3.0
7	2.5	8.4	12.1	10.9	9.1	12.5	9.2	5.4	3.9	3.0		3.2
8	3.0	8.7	12.0	10.8	9.2	12.4	8.9	5.1	4.1	3.0		3.5
9	3.5	8.9	11.9	10.8	9.2	12.4	8.8	4.9	4.2	3.0		3.8
10	3.8	9.0	11.8	10.8	9.3	12.4	8.8	4.7	4.2	2.9		3.9
11	4.1	9.1	11.8	10.7	9.4	12.5	8.5	4.5	4.1	2.9		3.9
12	4.3	9.3	12.0	10.2	9.5	12.5	8.4	4.5	4.1	2.9		4.0
13	4.4	9.6	11.8	10.1	9.7	12.5	8.2	4.5	4.0	2.7		4.1
14	4.4	9.9	11.7	10.0	10.0	12.5	7.7	4.5	4.0	2.5		4.2
15	4.8	10.1	11.7	10.0	10.2	12.5	7.5	4.5	4.0	2.5		4.6
16	5.0	10.2	11.5	9.8	10.3	12.5	7.3	4.5	3.9	2.5		4.8
17	5.5	10.5	11.5	9.6	10.5	12.4	7.1	4.5	3.8	2.5		5.1
18	5.5	10.7	11.3	9.5	10.8	12.4	7.0	4.5	3.8	2.5		5.2
19	5.4	11.0	11.1	9.4	10.8	12.3	6.8	4.7	3.8	2.5		5.2
20	6.0	11.1	10.9	9.2	10.8	12.3	6.5	4.7	3.7	2.5		5.1
21	6.3	11.3	10.9	9.0	10.8	12.2	6.5	4.6	3.6			4.7
22	6.5	11.4	10.9	8.8	10.8	12.0	6.4	4.6	3.3			4.7
23	6.5	11.5	10.8	8.8	10.8	11.9	6.4	4.4	3.1			5.0
24	6.7	11.7	10.8	8.9	10.9	11.8	6.4	4.3	2.9			4.8
25	6.8	11.8	10.8	9.0	11.0	11.7	6.4	4.1	2.7			5.2
26	6.9	11.7	10.8	9.0	11.2	11.6	6.4	3.9	2.5			5.3
27	7.0	1.7	10.8	9.0	11.3	11.2	6.3	3.8	2.5			5.8
28	7.1	11.8	10.9	9.0	11.4	11.1	6.4	3.9	2.5			6.4
29	7.3	-----	11.0	9.1	11.4	10.9	6.4	3.8	2.5			6.8
30	7.3	-----	11.0	9.1	11.5	10.6	6.4	3.8	2.5			7.5
31	7.3	-----	11.1	-----	11.5	-----	6.3	3.8	-----	-----	-----	7.8

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	4.9	9.5	11.4	9.9	10.2	12.1	7.7	4.7	3.6	2.7		4.6
MAX	7.3	11.8	12.1	11.3	11.5	12.5	10.4	6.3	4.2	3.0		7.8
MIN	2.1	1.7	10.8	8.8	9.0	10.6	6.3	3.8	2.5	2.5		2.8
DAYS	31	28	31	30	31	30	31	31	30	20	0	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 324  
THE MEAN STAGE FOR THE YEAR WAS 7.5.  
HIGHEST STAGE WAS 12.5 ON JUN 7 AND LATER DATE(S).  
LOWEST STAGE WAS 1.7 ON FEB 27.

## DAILY STAGE FOR 1990

GRAND LAKE AT CHARENTON, LA.

LOCATION. LAT. 29-54-20, LONG. 91-31-26. ON THE NORTHEAST WALL OF CHARENTON FLOODGATE.  
(STA. 0355513.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO 1980 GAGE ZERO WAS MINUS 0.94 FOOT NGVD.

RECORDS AVAILABLE. STAGE, FEB. 18, 1932 TO DATE.

EXTREMES. HIGHEST, 17.99 FEET ON MAY 24 AND 25, 1973. LOWEST, MINUS 1.84 FEET ON JAN. 19, 1940.  
EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.57	7.53	11.70	11.16	8.99	11.75	10.13	5.55	3.91	3.01	4.05	3.22
2	2.65	7.65	11.85	11.18	8.99	11.90	9.94	5.45	4.07	3.16	4.14	3.42
3	2.43	7.73	11.88	11.18	9.02	11.99	9.72	5.37	4.15	3.22	4.27	4.20
4	2.13	7.85	11.92	11.10	9.04	12.05	9.39	5.37	4.23	3.24	4.54	3.74
5	2.25	7.89	11.94	11.05	9.05	12.12	9.19	5.29	4.09	3.00	4.55	3.53
6	2.67	8.10	11.95	10.96	9.00	12.19	8.92	5.20	4.08	2.98	4.34	3.66
7	2.90	8.27	11.97	10.82	8.99	12.27	8.80	5.05	4.14	3.10	4.27	3.83
8	2.96	8.50	12.00	10.66	8.97	12.30	8.68	4.83	4.06	3.05	4.05	3.55
9	3.18	8.75	11.96	10.57	9.17	12.34	8.59	4.66	4.03	3.06	4.40	3.72
10	3.40	9.03	11.85	10.44	9.25	12.39	8.38	4.51	4.02	2.74	3.88	3.86
11	3.72	9.17	11.76	10.33	9.33	12.41	8.14	4.49	3.99	2.30	3.49	3.89
12	4.20	9.31	11.76	10.14	9.48	12.45	7.95	4.54	4.02	2.62	3.50	3.83
13	4.47	9.55	11.66	9.97	9.70	12.45	7.70	4.52	4.00	2.66	3.30	4.40
14	4.76	9.76	11.51	9.83	9.91	12.46	7.41	4.52	3.89	2.97	3.32	4.59
15	4.86	9.99	11.44	9.72	10.16	12.45	7.20	4.53	3.84	3.42	3.27	4.75
16	4.96	10.25	11.35	9.60	10.38	12.42	7.04	4.46	3.76	3.54	3.25	4.90
17	5.14	10.48	11.14	9.46	10.54	12.38	6.81	4.49	3.74	3.56	3.24	4.95
18	5.23	10.66	11.02	9.32	10.66	12.32	6.63	4.54	3.69	3.68	3.21	5.03
19	5.44	10.90	10.94	9.17	10.69	12.21	6.38	4.51	3.66	3.52	3.39	4.90
20	5.60	11.03	10.83	9.08	10.73	12.09	6.20	4.40	3.59	3.89	3.38	4.83
21	5.86	11.18	10.73	9.00	10.77	11.93	6.09	4.28	3.51	4.08	3.55	4.79
22	6.01	11.36	10.69	8.91	10.80	11.84	6.03	4.15	3.18	4.30	3.65	4.90
23	5.96	11.40	10.65	8.82	10.80	11.68	5.97	3.98	2.88	4.09	3.60	5.32
24	5.88	11.46	10.68	8.81	10.83	11.51	5.83	3.83	2.34	4.10	3.54	5.58
25	6.35	11.53	10.69	8.87	10.85	11.36	5.82	3.66	2.30	4.00	3.60	5.74
26	6.60	11.55	10.65	8.90	10.95	11.13	5.68	3.54	2.43	3.82	3.60	5.92
27	6.85	11.62	10.69	8.95	11.10	11.00	5.70	3.53	2.54	4.06	3.57	6.16
28	6.95	11.67	10.78	8.95	11.20	10.71	5.73	3.60	2.65	4.11	3.59	6.92
29	7.09	-----	10.90	8.96	11.34	10.51	5.75	3.70	2.75	4.06	3.32	7.49
30	7.20	-----	11.16	9.00	11.45	10.30	5.67	3.70	2.75	4.06	3.32	7.82
31	7.34	-----	11.16	-----	11.63	-----	5.60	3.76	2.89	3.96	2.80	8.06

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	4.76	9.79	11.33	9.83	10.12	11.90	7.32	4.45	3.55	3.46	3.69	4.90
MAX	7.34	11.67	12.00	11.18	11.63	12.46	10.13	5.55	4.23	4.30	4.55	8.06
MIN	2.13	7.53	10.65	8.81	8.97	10.30	5.60	3.53	2.30	2.30	2.80	3.22
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 7.07.  
 HIGHEST STAGE WAS 12.46 AT 8:00 A.M. ON JUN 14.  
 LOWEST STAGE WAS 2.09 ON JAN 4.

## DAILY STAGE FOR 1990

## KEELBOAT PASS BELOW LAKE CHICOT (LA.)

LOCATION. LAT. 30-02-19, LONG. 91-27-22. ON RIGHT BANK, ABOUT ONE MILE ABOVE MOUTH 84 MILES (1963 SURVEY) FROM HEAD OF ATCHAFALAYA RIVER VIA ATCHAFALAYA BASIN MAIN CHANNEL. (STA. 0361509.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. GAGE ZERO PRIOR TO 1971 WAS MINUS 0.13 FOOT, NGVD.

RECORDS AVAILABLE. STAGE, MAY 1928 TO DEC. 1965, AND JAN. 1971 TO DATE. DISCHARGE, INTERMITTENTLY, 1944 TO 1950, AND 1955 TO 1961.

EXTREMES. (PRESENT DATUM) HIGHEST, (FROM INCOMPLETE RECORD) 18.23 FEET ON MAY 24, 1973. LOWEST, 0.23 FOOT ON DEC. 24, 1989.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1966 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.30	4.72	8.17	7.71	6.20	8.27	7.65	3.97	2.88		2.70	2.59
2	2.22	4.80	8.33	7.75	6.18	8.44	7.45	3.96	2.88		2.79	2.63
3	2.09	4.98	8.40	7.74	6.21	8.63	7.27	3.94	2.88 F	2.58	2.86	3.20
4	1.90	5.00	8.46	7.71	6.20	8.75	7.14	3.91	2.88	2.55	2.99	3.23
5	1.84	5.05	8.52	7.71	6.19	8.86	6.97	3.83	2.94	2.56	3.07	3.16
6	1.97	5.10	8.59	7.66	6.16	8.99	6.80	3.79	2.93	2.47	3.16	3.06
7	2.00	5.25	8.64	7.59	6.14	9.16	6.59	3.73	2.95	2.50	3.13	3.09
8	2.21	5.38	8.73	7.49	6.10	9.29	6.38	3.68	2.97	2.49	3.11	3.03
9	2.29	5.63	8.77	7.42	6.25	9.39	6.31	3.57	2.96	2.50	3.15	2.93
10	2.38	5.76	8.77	7.34	6.27	9.50	6.18	3.48	2.96	2.36	3.25	2.86
11	2.42	5.86	8.78	7.30	6.26	9.56	6.05	3.41	2.95	1.96	3.15	2.82
12	2.44	5.94	8.74	7.19	6.36	9.64	5.90	3.35	3.01	1.91	3.02	2.77
13	2.50	6.02	8.72	7.07	6.46	9.69	5.89	3.31	3.04	1.87	2.86	2.77
14	2.58	6.16	8.65	6.98	6.75	9.71	5.72	3.30	3.05	1.95	2.74	2.83
15	2.70	6.45 F	8.51	6.90	6.76	9.73	5.53	3.29	3.04	2.18	2.63	2.87
16	2.79	6.61		6.81	6.87	9.74	5.36	3.23	2.99	2.31	2.59	2.95
17	2.84	6.69		6.72	6.98	9.73	5.24	3.23	2.96	2.39	2.56	3.07
18	2.91	6.79		6.60	7.10	9.70	5.10	3.26	2.93	2.39	2.55	3.14
19	3.00	7.05 F	7.90	6.50	7.18	9.63	4.94	3.32	2.90	2.45	2.61	3.25
20	3.17	7.16	7.81	6.42	7.26	9.50	4.83	3.32	2.90	2.55	2.62	3.29
21	3.27	7.30	7.66	6.35	7.34	9.38	4.70	3.27	2.89	2.65	2.65	3.39
22	3.34	7.60	7.55	6.29	7.37	9.25	4.63	3.29	2.89	2.87	2.70	3.39
23	3.42	7.70	7.47	6.22	7.40	9.16	4.54	3.24		2.95	2.80	3.39
24	3.66	7.82	7.41	6.16	7.41	9.05	4.49	3.15		2.90	2.76	3.38
25	3.77	7.85	7.37	6.14	7.46	8.81	4.39	3.06		2.78	2.75	3.49
26	3.96	7.89	7.34	6.15	7.52	8.59	4.29	2.99		2.78	2.79	3.53
27	4.07	7.96	7.29	6.12	7.62	8.45	4.20	2.88		2.74	2.83	3.60
28	4.21	8.04	7.29	6.18	7.73	8.28	4.14	2.87		2.72	2.75	3.75
29	4.28	-----	7.34	6.20	7.89	8.04	4.07	2.88		2.70	2.85	4.04
30	4.48	-----	7.66	6.20	7.96	7.85	4.05	2.88		2.70	2.70	4.31
31	4.57	-----	7.69	-----	8.10	-----	4.00	2.88	-----	2.69	-----	4.51

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.95	6.38	8.09	6.89	6.89	9.09	5.51	3.36	2.94	2.50	2.84	3.24
MAX	4.57	8.04	8.78	7.75	8.10	9.74	7.65	3.97	3.05	2.95	3.25	4.51
MIN	1.84	4.72	7.29	6.12	6.10	7.85	4.00	2.87	2.88	1.87	2.55	2.59
DAYS	31	28	28	30	31	30	31	31	22	29	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 352

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 5.08.

HIGHEST STAGE WAS 9.74 AT 8:00 A.M. ON JUN 16.

LOWEST STAGE WAS 1.80 ON OCT 13.

## DAILY STAGE FOR 1990

## SIX MILE LAKE ABOVE CONTROL STRUCTURE (LA.)

LOCATION. LAT. 29-48-35, LONG. 91-24-43. AT SIX MILE LAKE BOAT LAUNCH, ABOUT 4500 FEET NORTH OF MAX LAKE OUTLET CONTROL STRUCTURE. OPPOSITE MILE 103 (1963 SURVEY) FROM HEAD OF ATCHAFALAYA RIVER VIA ATCHAFALAYA BASIN MAIN CHANNEL. (STA. 0363010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. OCT. 6, 1988 TO DATE.

EXTREMES. HIGHEST, 10.40 FEET ON MAR. 14, 1989. LOWEST, 0.85 FOOT ON DEC. 24, 1989.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1977 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.50	6.72	10.31	9.84	8.15	10.37	9.03	5.01	3.60			2.86
2	2.55	6.84	10.42	9.86	8.16	10.52	8.88	4.92	3.68			3.00
3	2.32	6.91	10.43	9.83	8.22	10.57	8.65	4.86	3.76			4.08
4	2.07	7.06	10.46	9.75	8.20	10.61	8.37	4.83	3.78			4.07
5	2.19	7.05	10.47	9.72	8.23	10.67	8.23	4.75	3.54			4.07
6	2.57	7.28	10.48	9.66	8.13	10.73	7.97	4.63	3.64			4.07
7	2.79	7.43	10.50	9.50	8.14	10.75	7.91	4.51	3.69			4.06
8	2.82	7.64	10.55	9.40	8.15	10.79	7.79	4.20	3.58			4.07
9	3.06	7.90	10.51	9.34	8.42	10.81	7.72	4.08	3.59			4.07
10	3.28	8.20	10.42	9.23	8.45	10.81	7.52	3.98	3.63			4.07
11	3.59	8.23	10.39	9.12	8.51	10.83	7.30	4.00				4.07
12	4.10	8.35	10.40	8.97	8.67	10.86	7.12	4.03				4.06
13	4.27	8.59	10.29	8.88	8.87	10.87	6.86	4.08				4.06
14	4.54	8.76	10.18	8.74	9.00	10.87	6.61	4.08				4.05
15	4.65	9.11	10.16	8.66	9.24	10.85	6.41	4.13			2.84	4.20
16	4.76	9.28	10.08	8.57	9.41	10.84	6.31	4.08			2.82	4.36
17	4.87	9.40	9.86	8.45	9.54	10.82	6.11	4.15			2.83	4.41
18	4.93	9.52	9.78	8.30	9.52	10.75	5.94	4.23			2.89	
19	5.19	9.69	9.72	8.22	9.52	10.67	5.76	4.12			3.06	
20	5.31	9.77	9.60	8.19	9.60	10.59	5.51	3.98			3.06	
21	5.60	9.91	9.53	8.14	9.65	10.48	5.47	3.84			3.30	
22	5.70	10.12	9.54	8.06	9.64	10.39	5.42	3.76			3.41	
23	5.62	10.14	9.49	7.99	9.64	10.26	5.36	3.58			3.31	
24	5.58	10.13	9.44	8.02	9.67	10.13	5.14	3.32			3.25	
25	6.16	10.19	9.46	8.10	9.71	10.02	5.15	3.18			3.25	
26	6.31	10.19	9.42	8.12	9.81	9.82	5.02	3.08			3.24	
27	6.55	10.26	9.44	8.20	9.90	9.72	5.10	3.13			3.23	
28	6.61	10.29	9.53	8.16	9.98	9.47	5.13	3.33			3.21	
29	6.85	-----	9.62	8.14	10.05	9.32	5.16	3.39			2.83	
30	6.56	-----	9.84	8.17	10.16	9.15	5.06	3.30			2.55	
31	6.64	-----	9.80	-----	10.28	-----	5.02	3.56	-----		-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	4.53	8.75	10.00	8.78	9.12	10.44	6.55	4.00	3.65		3.07	3.98
MAX	6.85	10.29	10.55	9.86	10.28	10.87	9.03	5.01	3.78		3.41	4.41
MIN	2.07	6.72	9.42	7.99	8.13	9.15	5.02	3.08	3.54		2.55	2.86
DAYS	31	28	31	30	31	30	31	31	10	0	16	17

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 286  
 THE MEAN STAGE FOR THE YEAR WAS 7.12.  
 HIGHEST STAGE WAS 10.90 AT 7:00 P.M. ON JUN 12.  
 LOWEST STAGE WAS 2.03 ON JAN 4.

## DAILY STAGE FOR 1990

SIX MILE LAKE NEAR VERDUNVILLE, LA.

LOCATION. LAT. 29-45-49, LONG. 91-23-35. ON WEST BANK IN VERDUNVILLE CANAL, OPPOSITE MILE 105.2 (1963 SURVEY), FROM HEAD OF ATCHAFALAYA RIVER VIA ATCHAFALAYA BASIN MAIN CHANNEL. (STA. 0364510.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. STAGE, JULY 6, 1933 TO DATE. GAGE HAS BEEN LOCATED IN CYPRESS PASS AT CYPRESS ISLAND DURING PERIOD OF RECORD. DISCHARGE, INTERMITTENTLY, 1957 TO DATE.

EXTREMES. HIGHEST, 15.22 FEET (FROM INCOMPLETE RECORD) ON MAY 24 AND 25, 1973. LOWEST, MINUS 2.23 FEET ON OCT. 18, 1948.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.20	3.48	6.49	6.12	4.71	6.83	5.58	3.14	2.62	2.43	2.37	1.96
2	1.28	3.59	6.50	6.14	4.81	7.10	5.48	3.14	2.47	2.34	2.50	1.89
3	1.13	3.49	6.50	6.05	5.14	7.09	5.18	3.03	2.60	3.09	2.84	3.24
4	0.87	3.53	6.56	5.96	4.99	7.12	5.03	2.89	2.46	2.75	2.98	1.51
5	0.50	3.34	6.66	6.05	4.82	7.10	5.06	2.85	2.05	1.75	2.88	2.20
6	0.54	3.84	6.72	6.07	4.56	7.19	4.89	2.70	2.50	2.41	2.79	2.25
7	0.70	3.90	6.78	5.71	4.75	7.26	4.70	2.70	2.50	2.60	2.84	2.30
8	0.60	4.19	6.86	5.79	4.95	7.29	4.46	2.27	2.29	2.65	2.37	1.32
9	1.06	4.56	6.83	5.80	5.60	7.31	4.55	2.30	2.45	2.96	4.23	1.40
10	1.15	4.89	6.77	5.76	5.07	7.33	4.44	2.54	2.59	1.02	1.39	1.35
11	1.33	4.55	6.76	5.50	5.22	7.31	4.25	2.55	2.26	1.77	1.32	1.35
12	1.74	4.63	6.81	5.30	5.55	7.35	4.15	2.49	2.99	2.18	1.60	1.75
13	1.55	4.93	6.65	5.35	5.60	7.36	3.84	2.77	2.77	1.60	1.15	1.71
14	1.96	5.01	6.59	5.25	5.45	7.37	3.56	2.83	2.44	2.14	1.39	1.75
15	2.05	5.53	6.63	5.05	5.61	7.39	3.43	2.88	2.50	2.11	1.50	1.89
16	2.07	5.53	6.36	4.96	5.81	7.40	3.65	2.84	2.35	2.15	1.50	2.30
17	2.11	5.30	6.10	4.94	5.84	7.35	3.74	3.00	2.30	2.30	1.64	2.26
18	2.01	5.50	5.96	4.65	5.76	7.29	3.66	3.12	2.21	2.52	1.95	2.60
19	2.14	5.75	5.92	4.63	5.91	7.15	3.64	2.87	2.25	1.50	2.24	2.29
20	2.27	5.76	5.66	4.78	6.14	7.13	3.50	2.59	2.10	2.57	2.25	2.50
21	2.26	6.06	5.66	4.80	6.15	7.04	3.58	2.49	2.30	2.65	2.78	2.67
22	2.35	6.56	5.82	4.70	6.06	7.00	3.59	2.60	1.91	2.75	2.86	2.55
23	2.45	6.36	5.70	4.75	6.00	6.81	3.46	2.40	1.25	2.54	2.35	2.50
24	2.43	6.23	5.80	4.88	6.18	6.62	3.10	1.80	1.55	2.57	2.49	1.83
25	3.12	6.24	5.86	5.07	6.21	6.49	2.95	1.65	2.20	2.02	2.42	2.28
26	2.75	6.34	5.75	5.14	6.29	6.25	2.74	1.64	2.30	2.20	2.45	2.31
27	3.45	6.44	5.74	5.11	6.39	6.13	2.92	1.85	2.15	2.28	2.66	2.57
28	3.34	6.48	6.00	5.04	6.41	5.90	2.99	2.26	2.56	2.20	2.74	2.98
29	4.03	-----	6.02	4.96	6.45	5.80	2.97	2.27	2.41	2.13	1.57	3.42
30	3.64	-----	6.28	4.85	6.56	5.75	2.82	2.10	2.41	2.05	1.45	3.66
31	3.49	-----	6.16	-----	6.74	-----	2.99	2.69	-----	2.05	-----	3.82

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.99	5.07	6.29	5.31	5.67	6.95	3.90	2.56	2.32	2.27	2.25	2.27
MAX	4.03	6.56	6.86	6.14	6.74	7.40	5.58	3.14	2.99	3.09	4.23	3.82
MIN	0.50	3.34	5.66	4.63	4.56	5.75	2.74	1.64	1.25	1.02	1.15	1.32
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 3.89.  
 HIGHEST STAGE WAS 7.42 AT 7:00 P.M. ON JUN 13.  
 LOWEST STAGE WAS 0.40 ON JAN 8.

## DAILY STAGE FOR 1990

WAX LAKE OUTLET AT CALUMET, LA.

LOCATION. LAT. 29-42-09, LONG. 91-22-07. ON WEST SIDE OF EAST CALUMET FLOODGATE, DOWNSTREAM END, ABOUT 9.6 MILES WEST OF MORGAN CITY, LA., 111.1 MILES (1963 SURVEY) FROM HEAD OF ATCHAFALAYA RIVER VIA ATCHAFALAYA BASIN MAIN CHANNEL. (STA. 0372010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

DISCHARGE RANGE. AT MILE 111.4 (1963 SURVEY), BETWEEN U.S. HIGHWAY 90 BRIDGE AND SOUTHERN PACIFIC RAILROAD BRIDGE.

RECORDS AVAILABLE. STAGE, MAY 14, 1942 TO DATE. THE LOCATION OF GAGE HAS BEEN CHANGED SEVERAL TIMES DURING PERIOD OF RECORD. DISCHARGE, 1942 TO 1946, 1949 TO 1955, AND INTERMITTENTLY, 1957 TO DATE.

EXTREMES. HIGHEST, 11.16 FEET ON MAY 27, 1973. LOWEST, MINUS 2.68 FEET ON OCT. 18, 1948.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO, MINUS 0.14 FOOT, NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.85	2.43	4.75	4.35	3.40	5.10	4.05	2.63	2.30	2.00	1.36	0.94
2	0.97	2.35	4.75	4.31	3.55	5.35	4.03	2.60	2.15	1.75	1.45	0.95
3	0.95	2.23	4.60	4.15	4.00	5.20	3.73	2.55	2.27	2.43	1.80	2.50
4	1.00	2.14	4.63	4.10	3.75	5.25	3.67	2.40	2.08	2.10	2.27 F	1.17
5	0.30	1.86	4.75	4.30	3.50	5.10	3.77	2.35	1.65	1.10	1.88	
6	0.15	2.44	4.80	4.40	3.17	5.25	3.72	2.17	2.05	1.65	2.15	
7	0.27	2.43	4.90	3.89	3.45	5.37	3.50	2.06	2.09	1.99	2.10	
8	0.07	2.80	5.00	4.10	3.75	5.37	3.26	1.70	1.85	2.20	2.02	
9	0.50	3.15	5.00	4.17	4.50	5.40	3.43	1.70	2.05	2.45	3.55	
10	0.53	3.45	4.97	4.20	3.73	5.40	3.40	1.95	2.15	0.54	0.83	
11	0.60	2.98	5.03	3.85	3.95	5.35	3.23	2.10	2.55	1.87	1.02 F	0.30
12	0.89	3.04	5.15	3.70	4.35	5.33	3.24	2.00	2.77	1.75	1.00	0.85
13	0.72	3.37	5.03	3.85	4.32	5.37	2.90	2.46	2.53	1.17	0.57	0.69
14	1.15	3.50	4.90	3.82	4.03	5.35	2.70	2.55	2.36	1.48	0.84	0.70
15	1.30	4.20	4.87	3.55	4.07	5.40	2.55	2.61	2.00	1.36	0.94	0.84
16	1.48	3.95	4.65	3.45	4.25	5.42	2.80	2.59	1.92	1.30	0.94	1.05
17	1.44	3.46	4.35	3.53	4.20	5.38	2.95	2.75	1.85	1.40	1.03	1.20
18	1.31	3.73	4.19	3.13	4.03	5.32	2.96	2.92	1.75	1.35	1.40	1.65
19	1.30	3.95	4.12	3.15	4.29	5.17	2.95	2.60	1.90	0.77	1.50	1.33
20	1.38	3.90	3.75	3.40	4.55	5.23	2.85	2.30	1.90	1.80	1.55	1.60
21	1.15	4.23	3.80	3.47	4.55	5.21	2.95	2.22	2.05	1.80	2.05	1.95
22	1.20	4.83	4.05	3.37	4.35	5.22	3.00	2.30	1.60	1.75	2.24	1.78
23	1.35	4.55	3.87	3.45	4.27	5.04	2.93	2.14	0.86	1.70	2.15	1.60
24	1.39	4.33	3.98	3.65	4.57	4.86	2.53	1.51	1.23	1.89	2.09	0.55
25	1.95	4.33	4.10	3.94	4.60	4.75	2.31	1.37	1.70	1.34	1.77	1.14
26	1.51	4.45	3.50	4.03	4.75	4.56	2.12	1.35	1.83	1.65	1.80	1.08
27	2.20	4.60	3.95	3.95	4.85	4.43	2.35	1.63	1.73	1.56	2.12	1.30
28	2.15	4.70	4.30	3.90	4.75	4.25	2.41	2.05	1.94	1.45	1.71	1.52
29	2.83	-----	4.35	3.95	4.70	4.19	2.35	2.02	1.75	1.33	0.40	1.95
30	2.63	-----	4.65	3.65	4.84	4.23	2.20	1.81	2.05	1.31	0.41	2.11
31	2.40	-----	4.40	-----	4.95	-----	2.45	2.45	-----	1.12	-----	2.26

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.22	3.48	4.50	3.83	4.19	5.09	3.01	2.19	1.97	1.59	1.56	1.32
MAX	2.83	4.83	5.15	4.40	4.95	5.42	4.05	2.92	2.77	2.45	3.55	2.50
MIN	0.07	1.86	3.75	3.13	3.17	4.19	2.12	1.35	0.86	0.54	0.40	0.30
DAYS	31	28	31	30	31	30	31	31	30	31	30	25

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 359

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 2.85.

HIGHEST STAGE WAS 5.45 AT 3:00 P.M. ON JUN 9.

LOWEST STAGE WAS MINUS 0.16 ON OCT 10.



BLANK PAGE

## DAILY STAGE FOR 1990

## LOWER ATCHAFALAYA RIVER AT BERWICK LOCK (LA.) (WEST)

LOCATION. LAT. 29-43-05, LONG. 91-13-29. ON WEST SIDE OF LOCK, 1.8 MILES NORTHWEST OF MORGAN CITY, LA. (STA. 0375010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. STAGE, DEC. 13, 1955 TO DATE.

EXTREMES. HIGHEST, (FROM INCOMPLETE RECORD) 4.68 FEET ON APR. 18, 1973. LOWEST, MINUS 2.00 FEET ON JAN. 8, 1956.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.44	1.73	3.00	3.24	2.83	2.90	3.10	2.80	2.60	2.31	2.33	1.90
2	1.40	1.76	3.12	3.23	2.82	2.90	3.10	2.80	2.53	2.20	2.43	2.02
3	1.25	1.80	3.09	3.17	2.78	2.91	3.05	2.72	2.66	2.60	2.62	3.50
4	1.11	1.85	3.06	3.15	2.76	2.91	3.03	2.69	2.61	2.45	2.94	2.25
5	0.86	1.85	3.05	3.10	2.78	2.92	3.07	2.73	2.36	1.85	2.90	2.27
6	1.09	1.86	3.03	3.08	2.76	2.93	3.09	2.50	2.48	2.15	2.77	2.31
7	1.21	1.97	3.00	3.03	2.74	2.93	3.05	2.65	2.65	2.39	2.70	2.35
8	1.16	2.10	3.01	2.98	2.71	2.95	3.03	2.35	2.53	2.44	2.42	1.77
9	1.38	2.67	3.02	2.95	2.90	2.95	3.01	2.55	2.57	2.60	4.20	1.85
10	1.54	2.73	3.03	2.94	2.90	2.95	2.97	2.59	2.65	1.51	2.07	1.80
11	1.62	2.70	3.03	2.96	2.85	2.96	2.94	2.62	2.81	1.90	1.83	1.74
12	1.89	2.68	3.03	2.92	2.85	2.95	2.90	2.69	2.91	1.95	2.01	2.10
13	1.70	2.66	3.03	2.89	2.86	2.94	2.94	2.85	2.75	1.52	1.69	2.19
14	2.01	2.66	3.02	2.89	2.87	2.94	2.88	2.89	2.66	1.90	1.79	2.21
15	2.11	2.68	3.03	2.87	2.86	2.93	2.70	2.99	2.50	1.99	1.86	2.31
16	2.09	2.70	3.53	2.85	2.86	2.95	2.55	2.97	2.45	2.05	1.90	2.46
17	2.19	2.65	3.48	2.83	2.86	2.94	2.67	3.07	2.45	2.12	1.95	2.54
18	2.19	2.66	3.36	2.79	2.85	2.97	2.68	3.17	2.19	2.25	2.09	2.92
19	2.29	2.93	3.32	2.76	2.89	2.96	2.68	3.00	2.45	1.70	2.26	2.66
20	2.50	2.96	3.24	2.74	2.96	2.96	2.69	2.85	2.34	2.40	2.25	2.72
21	2.60	2.93	3.17	2.73	2.96	3.00	2.69	2.65	2.43	2.47	2.51	2.79
22	2.60	3.21	3.14	2.74	2.94	3.05	2.70	2.69	2.21	2.66	2.65	2.74
23	2.43	3.20	3.10	2.73	2.91	3.15	2.70	2.58	1.72	2.41	2.50	2.95
24	1.85	3.14	3.07	2.70	2.90	3.10	2.73	2.17	1.57	2.45	2.45	2.44
25	1.63	3.09	3.05	2.69	2.90	3.11	2.49	2.05	2.07	2.19	2.33	
26	1.67	3.06	3.03	2.67	2.89	3.10	2.27	1.94	2.15	2.17	2.32	
27	1.53	3.04	2.99	2.75	2.90	3.11	2.61	2.13	2.12	2.20	2.40	2.53
28	1.55	3.01	2.97	2.88	2.89	3.11	2.44	2.37	2.23	2.19	2.30	2.13
29	1.66	-----	2.95	2.86	2.90	3.10	2.49	2.49	2.15	2.16	1.70	2.08
30	1.68	-----	3.20	2.85	2.89	3.11	2.54	2.40	2.26	2.14	1.46	2.10
31	1.70	-----	3.26	-----	2.88	-----	2.83	2.72	-----	2.14	-----	2.12

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.74	2.58	3.11	2.90	2.86	2.99	2.79	2.63	2.40	2.18	2.32	2.34
MAX	2.60	3.21	3.53	3.24	2.96	3.15	3.10	3.17	2.91	2.66	4.20	3.50
MIN	0.86	1.73	2.95	2.67	2.71	2.90	2.27	1.94	1.57	1.51	1.46	1.74
DAYS	31	28	31	30	31	30	31	31	30	31	30	29

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 363

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 2.57.

HIGHEST STAGE WAS 4.20 AT 8:00 A.M. ON NOV 9.

LOWEST STAGE WAS 0.86 ON JAN 5.

## DAILY STAGE FOR 1990

## LOWER ATCHAFALAYA RIVER AT BERWICK LOCK (LA.) (EAST)

LOCATION. LAT. 29-43-03, LONG. 91-13-28. ABOUT 75 FEET EAST OF LOCK, 1.8 MILES NORTHWEST OF  
MORGAN CITY, LA. (STA. 0376510.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. INTERMITTENTLY, 1955 TO DATE.

STAGE IN FEET		GAGE ZERO IS AT NGVD (1983 ADJ.)										
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1												
2	1.35				5.15		5.75			2.30		
3												
4				5.90		6.80			2.25			2.30
5		3.83										
6											2.70	
7			6.49		5.20			3.00				
8												
9	1.65			5.85								
10												
11						7.00			2.70			1.60
12												
13								2.75			1.50	
14		5.00										
15					5.80							
16	2.10									2.00		
17				5.30			4.15					
18									2.40			
19						7.00						2.70
20												
21											2.45	
22		6.20			6.05			2.60				
23												
24												
25	3.23						3.40		2.08			
26											2.29	
27			5.73			6.25						3.95
28								2.40				
29												
30	3.75	-----								2.05		
31		-----		-----		-----	2.80	-----			-----	

## DAILY STAGE FOR 1990

## LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA.

LOCATION. LAT. 29-41-40, LONG. 91-12-39. AT U. S. COAST GUARD DOCK ON LEFT BANK, 300 FEET DOWNSTREAM FROM U. S. HIGHWAY 90 BRIDGE 117.7 MILES (1963 SURVEY) FROM HEAD OF ATCHAFALAYA RIVER VIA ATCHAFALAYA BASIN MAIN CHANNEL. (STA. 0378010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

DISCHARGE RANGE. BETWEEN LOUISIANA HIGHWAY 183 AND U.S. HIGHWAY 90 BRIDGES.

GENERAL INFORMATION. DRAINAGE AREA NOT DETERMINED. BANKFULL STAGE, 4.0 FEET. NATURAL FLOW IS AFFECTED BY TIDES. PRIOR TO 1974 GAGE ZERO WAS MINUS 2.94 FEET, NGVD.

RECORDS AVAILABLE. STAGE, 1905 TO DATE. THE LOCATION OF GAGE HAS BEEN CHANGED SEVERAL TIMES DURING PERIOD OF RECORD. DISCHARGE, INTERMITTENTLY FROM 1927 TO DATE.

EXTREMES. HIGHEST, (FROM INCOMPLETE RECORD) 10.53 FEET ON MAY 28, 1973. LOWEST, MINUS 5.44 FEET (AFFECTED BY STORM) ON AUG. 25, 1926. EXTREMES HAVE BEEN ADJUSTED TO NGVD.  
MAXIMUM, 741,000 CFS, WHICH IS A TOTAL OF OBSERVED FLOWS IN 1927 MADE AT MORGAN CITY ON JUNE 7, BAYOU BOEUF AT BOEUF (6-1/2 MILES EAST) ON JUNE 8, AND AT BAYOU RAMOS (FOUR MILES EAST) ON JUNE 10. MINIMUM, NOT DETERMINED.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1 E	1.80	3.60	5.80	5.66	4.93	6.19	5.74	3.35	2.61	2.33	2.21	1.80
2	1.30	3.70	5.90	5.67	4.95	6.43	5.67	3.27	2.53	2.19	2.30	1.93
3	1.30	3.60	5.90	5.64	5.13	6.37	5.53	3.20	2.64	2.59	2.50	3.18
4	1.00	3.70 E	5.90	5.59	5.08	6.43	5.40	3.10	2.60	2.46	2.84	2.09
5	0.90	3.60	5.90	5.64	5.04	6.40	5.40	3.10	2.37	1.84	2.80	2.18
6	1.10	3.90 E	6.00	5.68	4.87	6.48	5.30	3.00	2.55	2.13	2.65	2.25
7	1.20	3.90 E	6.10	5.44	4.92	6.55	5.15	2.95	2.62	2.36	2.60	2.29
8	1.30	4.20	6.10	5.52	5.00	6.57	5.00	2.68	2.50	2.43	2.43	1.80
9	1.40	4.50	6.10	5.51	5.46	6.58	4.99	2.65	2.35	2.63	3.75	1.76
10	1.60	4.70	6.10	5.52	5.15	6.59	4.88	2.70	2.60	1.55	2.05	1.72
11	1.70	4.50	6.10	5.37	5.17	6.57	4.67	2.70	2.80	1.94	1.80	1.65
12	1.90	4.50	6.10	5.22	5.36	6.60	4.60	2.77	2.89	1.95	1.86	2.00
13 E	2.00	4.70	6.00	5.25	5.43	6.65	4.40	2.90	2.77	1.55	1.55	2.08
14	2.10	4.80	6.00	5.24	5.37	6.62	4.20	2.95	2.65	1.90	1.73	2.11
15	2.00	5.00 E	6.00	5.15	5.43	6.65	4.08	3.05	2.50	1.96	1.80	2.20
16	2.10	5.20	5.90	5.10	5.54	6.70	4.06	3.00	2.44	2.04	1.80	2.50
17	2.20 E	5.30	5.70	5.09	5.55	6.69	4.05	3.15	2.43	2.14	1.85	2.50
18	2.20	5.10	5.60	4.92	5.50	6.64	3.90	3.18	2.35	2.20	1.97	2.80
19 E	2.40 E	5.20	5.60	4.90	5.63	6.56	3.85	3.05	2.43	1.68	2.20	2.70
20	2.50	5.20	5.40	4.95	5.80	6.60	3.80	2.95	2.34	2.30	2.16	2.80
21 E	2.50	5.40	5.40	4.97	5.80	6.54	3.80	2.75	2.40	2.40	2.44	2.80
22	2.50	5.90	5.50	4.93	5.73	6.47	3.70	2.80	2.20	2.60	2.57	2.70
23 E	2.60	5.80	5.40	4.95	5.65	6.40	3.60	2.59	1.73	2.35	2.45	2.90
24	2.70	5.60	5.40	4.97	5.80	6.25	3.40	2.30	1.62	2.40	2.40	2.50
25	3.10	5.60	5.40	5.05	5.79	6.13	3.30	2.12	2.05	2.20	2.24	2.70
26 E	3.30	5.70	5.40	5.07	5.80	6.05	3.25	2.03	2.14	2.15	2.24	2.70
27	3.20	5.80	5.40	5.18	5.87	5.93	3.22	2.12	2.10	2.20	2.36	2.80
28	3.20	5.80	5.40	5.11	5.85	5.85	3.30	2.40	2.20	2.15	2.25	3.08
29	3.80	-----	5.50	5.05	5.90	5.80	3.27	2.45	2.15	2.10	1.60	3.40
30	3.50	-----	5.70	5.00	5.99	5.85	3.23	2.39	2.25	2.10	1.39	3.62
31	3.50	-----	5.70	-----	6.11	-----	3.25	2.70	-----	2.05	-----	3.82

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.19	4.80	5.75	5.24	5.47	6.40	4.26	2.79	2.40	2.16	2.23	2.50
MAX	3.80	5.90	6.10	5.68	6.11	6.70	5.74	3.35	2.89	2.63	3.75	3.82
MIN	0.90	3.60	5.40	4.90	4.87	5.80	3.22	2.03	1.62	1.55	1.39	1.65
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

E=ESTIMATED

THE MEAN STAGE FOR THE YEAR WAS 3.84.

HIGHEST STAGE WAS 6.74 AT 12:30 P.M. ON JUN 13.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 0.90 ON JAN 5.

## DAILY STAGE FOR 1990

## LOWER ATCHAFALAYA RIVER BELOW SWEET BAY LAKE (LA.)

LOCATION. LAT. 29-33-06, LONG. 91-14-41. IN SLIP ON RIGHT BANK, 10.3 MILES SOUTH OF MORGAN CITY, LA., ATTACHED TO WHARF OF TEXAS OIL COMPANY, 129.5 MILES (1963 SURVEY) FROM HEAD OF ATCHAFALAYA RIVER VIA ATCHAFALAYA BASIN MAIN CHANNEL. (STA. 0382010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. STAGE, FEB. 29, 1956 TO DATE. FOR RECORDS 1946 TO 1956, REFER TO GAGE AT DEER ISLAND BAYOU, THREE MILES DOWNSTREAM.

EXTREMES. HIGHEST, 8.05 FEET (AFFECTED BY HURRICANE) ON JUNE 27, 1957. LOWEST, MINUS 1.55 FEET ON NOV. 6, 1959.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1			3.30	3.05	2.70	3.62	3.00	2.25	2.05	2.05	1.60	
2			3.12	2.90	2.82	3.80	3.05	2.20	1.90	1.89	1.70	
3			3.01	2.79	3.14	3.52	2.87	2.20	2.01	2.40	1.92	
4			2.98	2.77	2.82	3.64	2.90	2.06	1.85	2.25	2.35	
5			3.03	2.83	2.60	3.49	3.02	2.05	1.65	1.69	2.30	
6			3.03	2.93	2.45	3.57	3.05	1.91	1.86	2.02	2.14	
7		F	1.78	3.07	2.63	3.59	3.74	1.85	1.80	2.22	2.06	
8			2.06	3.18	2.84	2.90	3.65	2.70	1.63	1.69	2.15	
9			2.34	3.24	2.96	3.45	3.70	2.81	1.65	1.84	2.51 F	3.16
10			2.51	3.31	3.07	2.79	3.65	2.79	1.80	1.90	1.45	
11			2.27	3.42	2.82	3.06	3.59	2.70	1.89	2.20	1.61	
12			2.31	3.55	2.75	3.45	3.55	2.73	1.85	2.32	1.76	
13			2.55	3.64	2.88	3.37	3.60	2.54	2.12	2.20	1.11	
14			2.55	3.49	2.81	3.05	3.51	2.49	2.22	2.11	1.76	
15			3.30	3.29	2.65	3.00	3.62	2.31	2.31	1.85	1.74 F	2.48
16			2.80	3.35	2.61	3.11	3.60	2.45	2.29	1.76	1.70	
17			2.38	3.23	2.69	2.85	3.56	2.52	2.45	1.67	1.83	
18			2.58	3.00	2.35	2.76	3.53	2.53	2.60	1.58	1.98	
19			2.64	2.93	2.38	3.05	3.44	2.54	2.22	1.65	1.26	
20			2.61	2.65	2.50	3.20	3.56	2.47	2.01	1.60	2.02	
21			2.79	2.69	2.59	3.19	3.65	2.56	1.96	1.70	2.16	
22			3.12	2.80	2.50	3.03	3.70	2.61	1.96	1.46	2.45	
23			2.96	2.66	2.60	3.05	3.56	2.56	1.82	0.95	1.84	
24			2.86	2.74	2.73	3.40	3.51	2.30	1.46	1.10	1.84	
25			2.85	2.84	3.09	3.45	3.39	2.05	1.35	1.74	1.52	
26			2.98	2.75	3.19	3.57	3.33	1.97	1.25	1.89	1.56	
27			3.10	2.85	3.04	3.66	3.17	2.00	1.40	1.79	1.59	
28			3.22	3.10	3.20	3.35	3.07	2.06	1.74	1.99	1.54	
29		-----	3.25	3.30	3.29	3.05	2.04	1.80	1.86	1.86	1.55	
30		-----	3.51	2.97	3.35	3.14	1.94	1.65	2.00	1.45	1.45	
31		-----	3.20	-----	3.38	-----	2.10	2.10	-----	1.40	-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN		2.66	3.10	2.81	3.09	3.52	2.53	1.94	1.80	1.82	2.16	
MAX		3.30	3.64	3.30	3.66	3.80	3.05	2.60	2.32	2.51	3.16	
MIN		1.78	2.65	2.35	2.45	3.05	1.94	1.25	0.95	1.11	1.60	
DAYS	0	22	31	30	31	30	31	31	30	31	10	0

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 277

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 2.57.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 3.85 AT 4:00 A.M. ON JUN 2.

LOWEST STAGE WAS 0.39 ON OCT 1.

## DAILY STAGE FOR 1990

WAX LAKE OUTLET VICINITY AT BELLE ISLE, LA.

LOCATION. LAT. 29-31-47, LONG. 91-23-39. ON GAS PLATFORM CATWALK IN LITTLE BAYOU NEAR CARGUIL SALT MINE. (STA. 0383010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. STAGE, APR. 1973 TO DEC. 1975 AND APR. 13, 1976 TO DATE.

EXTREMES. HIGHEST, 5.05 FEET (CAUSED BY HURRICANE) ON OCT. 28, 1985. LOWEST, MINUS 1.65 FEET ON JAN. 17, 1981.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.40	1.65	2.32	1.97	1.62	2.80	2.02	2.02	2.00	1.66	0.80	0.50
2	0.59	1.60	1.85	1.70	1.85	3.02	2.13	1.96	1.71	1.32	0.90	0.45
3	0.70	1.20	1.70	1.33	2.52	2.57	1.84	1.99	1.88	2.02	1.20	2.20
4	0.95	0.51	1.70	1.40	2.01	2.70	1.99	1.80	1.70	1.45	1.65	0.15
5	0.33	0.25	1.71	1.69	1.58	2.44	2.23	1.77	1.21	0.60	1.20	0.85
6	-0.33	0.85	1.75	1.92	1.31	2.56	2.32	1.65	1.69	1.00	1.50	1.18
7	-0.31	0.74	1.85	1.16	1.74	2.74	2.10	1.50	1.60	1.38	1.40	1.03
8	-0.56	1.18	2.01	1.80	2.30	2.73	1.83	1.12	1.40	1.55	1.40	0.45
9	-0.15	1.50	2.04	2.06	3.10	2.74	2.15	1.26	1.65	1.90	3.10	0.15
10	-0.10	1.90	2.14	2.30	2.00	2.70	2.17	1.56	1.80 F	0.25 F	0.13	0.00
11	-0.05	1.29	2.30	1.73	2.56	2.56	2.03	1.67	2.45	1.56	0.45	-0.23
12	0.25	1.33	2.56	1.67	3.04	2.53	2.16	1.60	2.40	1.35	0.50	0.40
13	-0.04	1.77	2.83	1.95	2.79	2.60	1.79	1.94	2.20	0.93 F	0.12	0.10
14	0.46	1.66	2.53	1.87	2.24	2.46	1.78	2.16	2.07	1.03	0.35	0.12
15	0.65	2.77	2.15	1.43	2.13	2.61	1.50	2.25	1.67	0.80	0.50	0.23
16	0.97	1.93	2.23	1.46	2.29	2.57	1.86	2.23	1.59	0.79	0.50	0.45
17	0.89	0.95	1.96	1.65	1.81	2.52	2.05	2.42	1.40	0.85	0.55	0.63
18	0.75	1.42	1.75	0.93	1.55	2.44	2.15	2.60	1.30	0.83	0.85	1.00
19	0.65	1.40	1.63	1.15	2.10	2.29	2.24	2.10	1.45	0.36	1.00	0.78
20	0.65	1.21	0.96	1.56	2.41	2.57	2.13	1.80	1.30	1.27	0.98	1.17
21	0.07	1.62	1.20	1.73	2.34	2.74	2.26	1.78	1.45	1.30	1.45	1.65
22	0.02	2.21	1.66	1.61	2.09	2.85	2.29	1.80	1.05	1.20	1.64	1.51
23	0.23	1.84	1.35	1.90	2.07	2.64	2.23	1.60	0.31	1.20	1.65	1.26
24	0.30	1.57	1.60	2.15	2.65	2.62	1.79	1.10	0.79	1.33	1.53	-0.41
25	0.85	1.49	1.76	2.67	2.70	2.45	1.50	0.95	1.18	0.82	1.26	0.50
26	0.27	1.78	1.58	2.75	2.93	2.62	1.40	0.94	1.35	1.10	1.30	0.23
27	1.05	1.99	1.83	2.45	3.03	2.19	1.65	1.26	1.44	1.00	1.70	0.40
28	0.93	2.16	2.28	2.64	2.50	2.04	1.75	1.70	1.50	0.85	1.10	0.40
29	1.75	-----	2.45	2.72	2.39	2.07	1.65	1.70	1.36	0.75	-0.07	0.72
30	1.67	-----	2.83	2.15	2.49	2.20	1.47	1.45	1.70	0.76	0.00	0.85
31	1.46	-----	2.24	-----	2.46	-----	1.84	2.15	-----	0.63	-----	0.95

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.49	1.49	1.96	1.85	2.28	2.55	1.95	1.74	1.55	1.09	1.02	0.63
MAX	1.75	2.77	2.83	2.75	3.10	3.02	2.32	2.60	2.45	2.02	3.10	2.20
MIN	-0.56	0.25	0.96	0.93	1.31	2.04	1.40	0.94	0.31	0.25	-0.07	-0.41
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.55.

HIGHEST STAGE WAS 4.05 AT 5:30 A.M. ON NOV 9.

LOWEST STAGE WAS MINUS 0.70 ON JAN 8 AND LATER DATE(S).

## DAILY STAGE FOR 1990

## ROUND BAYOU AT DEER ISLAND (LA.)

LOCATION. LAT. 29-28-28, LONG. 91-15-46. ON LEFT BANK OF ROUND BAYOU AT MOUTH OF LOWER ATCHAFALAYA RIVER, MILE 135.8 (1963 SURVEY). (STA. 0385010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. ADD 0.49 FOOT TO ALL STAGES IN 1974.

RECORDS AVAILABLE. MAR. 9, 1974 TO DATE.

EXTREMES. HIGHEST, 6.17 FEET (CAUSED BY HURRICANE) ON AUG. 15, 1985. LOWEST, (FROM INCOMPLETE RECORD) MINUS 1.21 FEET ON DEC. 23, 1989.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	-0.05	1.37	2.25	1.95	1.80	2.82	1.83	1.75	1.60	1.39	0.70	0.64
2	-0.02	1.30	1.79	1.72	1.93	2.71	1.96	1.64	1.40	1.05	0.76	0.62
3	0.30	0.95	1.83	1.45	2.40	2.30	1.74	1.65	1.57	1.70	1.00	2.10
4	0.75	0.65	1.77	1.49	1.89	2.55	1.86	1.55	1.35	1.10	1.35	0.74
5	0.90	0.44	1.64	1.55	1.49	2.26	2.05	1.55	1.04	0.45	1.16	1.30
6	0.75	0.73	1.66	1.73	1.36	2.35	2.17	1.40	1.30	0.80	1.45	1.39
7	0.50	0.69	1.70	1.30	1.60	2.66	1.90	1.25	1.15	1.07	1.45	1.26
8	0.35	0.95	1.90	1.70	2.12	2.52	1.74	0.97	1.06	1.30	1.45	0.64
9	0.25	1.20	1.90	1.90	2.60	2.53	1.95	1.07	1.25	1.60	2.85	0.44
10	-0.10	1.45	2.05	2.09	1.70	2.55	1.96	1.30	1.40	0.44	0.52	0.27
11	-0.15	1.15	2.30	1.73	2.24	2.41	1.87	1.30	1.85	1.36	0.66	0.14
12	-0.29	1.16	2.40	1.71	2.80	2.39	2.00	1.30	2.05	1.19	0.57	0.64
13	0.00	1.58	2.50	1.96	2.67	2.45	1.69	1.60	1.90	0.89	0.23	0.50
14	0.03	1.49	2.44	1.84	2.25	2.33	1.69	1.90	1.85	0.95	0.44	0.49
15	0.19	2.53	1.97	1.67	2.10	2.46	1.45	1.98	1.53	0.70	0.52	0.57
16	0.60	1.73	2.20	1.65	2.30	2.34	1.65	2.01	1.37	0.64	0.50	0.80
17	0.79	1.02	2.12	1.74	1.80	2.26	1.85	2.15	1.10	0.70	0.60	0.94
18	0.53	1.36	1.81	1.20	1.65	2.20	1.95	2.30	1.03	0.70	0.91	1.43
19	0.50	1.34	1.65	1.27	2.12	2.07	1.95	1.72	1.10	0.33	1.00	1.14
20	0.48	1.25	1.26	1.43	2.12	2.32	1.89	1.45	1.10	0.95	1.05	1.43
21	0.26	1.44	1.43	1.57	2.20	2.44	1.98	1.45	1.20	0.94	1.59	1.60
22	0.23	1.73	1.60	1.43	1.99	2.60	2.07	1.45	0.90	1.10	1.76	1.39
23	0.38	1.57	1.40	1.55	1.95	2.40	2.00	1.30	0.66	1.06	1.65	1.16
24	0.45	1.47	1.52	1.75	2.45	2.46	1.65	0.95	0.50	1.16	1.64	0.23
25	0.90	1.43	1.65	2.41	2.56	2.30	1.37	0.85	0.95	0.85	1.20	0.61
26	0.45	1.64	1.62	2.57	2.83	2.29	1.33	0.80	1.10	1.04	1.23	0.49
27	0.95	1.80	1.74	2.20	2.85	2.07	1.43	1.05	1.20	0.97	1.50	0.69
28	0.94	2.03	2.05	2.40	2.52	1.91	1.51	1.43	1.25	0.86	1.02	0.71
29	1.78	-----	2.40	2.69	2.40	1.90	1.43	1.45	1.19	0.75	0.27	0.92
30	1.53	-----	2.66	2.37	2.50	2.00	1.33	1.25	1.46	0.76	0.27	1.05
31	1.27	-----	2.17	-----	2.34	-----	1.60	1.86	-----	0.54	-----	1.36

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.50	1.34	1.92	1.80	2.18	2.36	1.77	1.47	1.28	0.95	1.04	0.89
MAX	1.78	2.53	2.66	2.69	2.85	2.82	2.17	2.30	2.05	1.70	2.85	2.10
MIN	-0.29	0.44	1.26	1.20	1.36	1.90	1.33	0.80	0.50	0.33	0.23	0.14
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 1.46.  
 HIGHEST STAGE WAS 3.92 AT 5:45 A.M. ON NOV 9.  
 LOWEST STAGE WAS MINUS 0.42 ON JAN 8.

## DAILY STAGE FOR 1990

BLACK RIVER AT ACME, LA.

LOCATION. LAT. 31-16-02, LONG. 91-09-56. MILE 0.1 (1949). EVA QUADRANGLE. (STA. 0475011.)

GAGE. STAFF ON LEFT BANK.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY VICKSBURG DISTRICT. DRAINAGE AREA, 24,237 SQUARE MILES (VARIABLE DUE TO INTERCHANGING DRAINAGE). BANKFULL STAGE, 48 FEET.

RECORDS AVAILABLE. STAGE, DEC. 9, 1894 TO MAR. 31, 1899, NOV. 9, 1923 TO OCT. 17, 1981, AND JAN. 1, 1982 TO DATE. MEASURED DISCHARGE, 1942 AND 1946.

EXTREMES. HIGHEST, 62.7 FEET ON MAY 14-17, 1927. LOWEST, 2.61 FEET ON JULY 16, 1964.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO, 0.68 FOOT, NGVD (1929-41 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	9.8	35.7	41.8	42.8	38.0	46.1	38.4	18.6	13.8	10.7	13.7	13.1
2	11.1	35.5	41.9	43.1	38.0	46.5	37.9	18.2	14.1	10.6	12.7	13.4
3	11.2	35.6	41.9	43.2	38.1	46.6	36.7	18.0	14.2	10.0	13.6	13.6
4	10.6	36.2	41.7	43.2	38.1	46.9	35.5	18.5	14.3	10.3	14.1	13.5
5	11.6	36.9	41.4	43.0	38.1	47.1	34.6	18.1	13.0	9.9	14.0	13.2
6	12.3	37.8	41.1	42.5	38.1	47.3	33.3	17.8	13.4	9.8	13.5	13.6
7	13.3	38.4	40.9	42.1	38.1	47.4	32.8	17.1	13.1	9.7	12.9	13.7
8	14.3	38.7	40.7	41.8	38.2	47.4	32.3	16.4	12.9	9.4	12.4	14.5
9	14.4	39.1	40.2	41.9	38.7	47.6	31.5	16.0	12.9	9.1	12.0	15.7
10	15.1	39.5	39.8	41.9	39.0	47.7	30.1	16.0	13.1	8.7	12.2	16.3
11	15.9	39.8	40.9	41.9	39.4	47.7	28.9	15.9	12.5	8.6	12.2	16.1
12	16.9	40.1	41.8	41.7	39.8	47.7	27.3	15.7	12.1	9.8	12.7	16.3
13	17.4	40.6	42.1	41.7	40.8	47.7	25.6	15.5	12.3	10.2	12.7	17.2
14	17.4	40.9	42.0	41.3	41.6	47.5	24.8	15.3	12.0	12.3	12.3	17.6
15	16.7	40.9	42.0	41.1	42.5	47.4	23.7	15.1	11.9	14.7	11.8	17.6
16	17.3	40.9	42.2	41.0	43.1	47.1	22.8	14.6	11.2	15.0	11.6	17.4
17	17.3	41.2	42.1	40.7	43.7	46.8	21.6	14.6	11.8	15.5	11.3	17.1
18	17.7	41.3	42.2	40.4	44.2	46.6	20.7	14.8	11.7	15.8	10.9	16.8
19	22.7	41.3	42.4	40.1	44.5	46.0	19.7	14.3	12.3	15.7	10.8	16.4
20	24.7	41.2	42.3	39.8	44.7	45.4	19.0	14.3	10.8	16.3	11.1	16.5
21	28.7	41.2	42.3	39.5	45.0	44.8	19.3	14.1	10.9	16.4	11.6	17.3
22	29.3	41.6	42.3	39.0	45.2	44.4	19.1	13.4	10.5	17.2	11.3	20.7
23	29.0	42.0	42.2	38.6	45.3	43.6	19.1	13.0	9.8	16.5	11.1	24.3
24	29.2	42.1	42.2	38.3	45.3	43.1	18.6	10.3	10.0	16.6	11.3	25.9
25	32.9	42.1	42.1	38.3	45.4	42.8	19.2	12.7	9.3	15.9	11.8	26.3
26	34.3	42.5	41.9	38.1	45.4	42.0	18.7	12.5	9.5	15.6	11.9	26.9
27	34.8	42.0	42.1	38.1	45.3	41.6	19.3	12.1	9.6	15.8	10.9	28.4
28	34.8	42.0	42.1	38.2	45.5	40.3	19.3	12.5	9.6	15.1	11.3	30.8
29	35.0	-----	42.3	38.1	45.7	39.7	19.2	12.2	9.3	14.3	12.2	31.8
30	35.5	-----	42.5	38.1	45.7	38.9	19.0	12.6	9.6	13.4	11.7	32.3
31	35.7	-----	42.6	-----	45.7	-----	18.6	13.5	-----	13.1	-----	32.8

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	21.5	39.9	41.8	40.6	42.1	45.4	25.4	15.0	11.7	13.0	12.1	19.6
MAX	35.7	42.5	42.6	43.2	45.7	47.7	38.4	18.6	14.3	17.2	14.1	32.8
MIN	9.8	35.5	39.8	38.1	38.0	38.9	18.6	10.3	9.3	8.6	10.8	13.1
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 27.2.

HIGHEST STAGE WAS 47.7 ON JUN 10 AND LATER DATE(S).

LOWEST STAGE WAS 8.6 ON OCT 11.



## DAILY STAGE FOR 1990

BAYOU MOREAU NEAR ODENBURG, LA.

LOCATION. LAT. 30-55-30, LONG. 91-45-48. ON HIGHWAY 970 BRIDGE, 2.9 MILES EAST OF ODENBURG, LA.  
(STA. 4010012B.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1943 TO 1945, 1948. DAILY, OCT. 31, 1950 TO DATE.

EXTREMES. HIGHEST, 38.38 FEET ON MAY 19, 1953. LOWEST, CHANNEL DRY ON JUNE 2, 1951, AND LATER DATES.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	25.99	27.20	24.83	24.35		30.45						
2	25.21	26.08	29.25	24.21		26.55				F 23.13		
3	24.82	30.90	26.17	24.65		25.28	F 23.64					F 23.34
4	28.00	28.80	25.50	24.45		24.68			F 23.37			
5	28.75	26.36	25.15	24.25		24.45						
6	32.69	25.97	25.00			24.33					23.19	
7	30.75	25.75	24.89		F 23.50	24.22		F 23.50				
8	27.82	25.61	24.79			24.20						
9	25.77	28.73	24.70	F 23.95	28.00	24.15				F 23.24		
10	25.20	29.59	24.68		25.80	24.15	F 23.57					
11	24.89	26.55	24.62		24.71	24.20			F 23.40			23.32
12	24.71	25.80	24.60		24.22	F 24.00						
13	24.49	25.51	24.60			F 23.94					23.28	
14	24.45	25.35	24.58		F 24.00			23.33				
15	24.33	25.35	25.40									
16	24.29	28.30	25.40	F 24.04						F 23.16		23.30
17	24.28	26.32	26.10			F 23.81	F 23.75			23.25		
18	26.50	25.53	25.25									
19	34.13	28.02	24.88								23.18	23.30
20	32.56	25.95	24.65									
21	32.78	25.55	24.62					F 23.38				
22	28.50	29.85	24.68		F 23.61							
23	25.89	26.19	24.40	F 23.71						F 23.29		
24	30.30	25.51	24.58				F 23.77					
25	36.30	25.15	24.25						F 23.23			
26	36.20	24.99	F 24.11			F 23.62					F 23.18	24.25
27	35.63	24.95			F 24.20							
28	34.70	24.90			29.65			F 23.40				
29	34.85	-----	F 24.10		29.35							
30	33.67	-----	24.65	F 23.65	26.10					23.20	-----	
31	32.15	-----	24.67	-----	25.19	-----	F 23.52		-----			

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	29.05	26.60	25.00	24.14	25.69	24.80	23.65	23.40	23.31	23.20	23.21	23.50
MAX	36.30	30.90	29.25	24.65	29.65	30.45	23.77	23.50	23.40	23.29	23.28	24.25
MIN	24.28	24.90	24.10	23.65	23.50	23.62	23.52	23.33	23.23	23.13	23.18	23.30
DAYS	31	28	29	9	12	15	5	4	4	5	4	5

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 151

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 25.82.

HIGHEST STAGE WAS 36.37 AT 3:00 P.M. ON JAN 25.

LOWEST STAGE WAS NOT DETERMINED.

## DAILY STAGE FOR 1990

## UPPER GUIDE LEVEE BORROW PIT ABOVE BAYOU LATENACHE (LA.)

LOCATION. LAT. 30-43-48, LONG. 91-43-53. ABOUT 600 FEET ABOVE JUNCTION WITH BAYOU LATENACHE AND  
900 FEET ABOVE DRAINAGE STRUCTURE. (STA. 4088012B.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. INTERMITTENTLY, 1968 TO DATE.

STAGE IN FEET							GAGE ZERO IS AT NGVD (1967 ADJ.)					
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1												
2	21.80			16.52						14.27		
3							14.57					
4						18.46			14.34			17.68
5			20.75									
6		22.05									14.25	
7					14.63			14.44				
8												
9	22.55			16.01						14.21		
10							14.51					
11									14.30			14.65
12			18.50			15.88						
13		21.90									14.18	
14					14.88			14.36				
15												
16	19.31			15.44						14.15		14.40
17							14.58					
18						14.90			14.30			
19			18.46									
20		22.60									14.14	14.40
21								14.35				
22					14.80							
23	21.72			14.82						14.35		
24							14.55					
25									14.30			
26			16.16			14.62					13.58	14.60
27		19.94										
28								14.36				
29		-----			20.04							
30	26.33	-----		14.78						14.27		
31		-----		-----		-----	14.43		-----		-----	

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## DAILY STAGE FOR 1990

## BAYOU LATENACHE ABOVE POINTE COUPEE DRAINAGE STRUCTURE (LA.)

LOCATION. LAT. 30-43-44, LONG. 91-44-00. ON UPSTREAM SIDE OF STRUCTURE, 2.4 MILES NORTH OF MELVILLE, LA. (STA. 40900128.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1950. DAILY, FEB. 14, 1951 TO DATE.

EXTREMES. HIGHEST, 33.48 FEET (FROM INCOMPLETE RECORD) ON MAY 1, 1973. LOWEST, BELOW LEVEL OF GAGE ON OCT. 4, 1989 AND LATER DATE(S).

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1967 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	22.30	21.90	19.41	16.71		21.85						
2	21.78	23.15	23.00	16.50		21.59				F 14.27		
3	21.18	23.28	22.29	18.63		19.71	F 14.60					
4	22.80	22.60	21.49	18.08		18.40			F 14.35			17.69
5	22.21	22.63	20.70	17.47		17.45						16.89
6	22.70	22.08	20.15	16.92		16.76					14.25	16.05
7	23.32	21.72	19.75	16.79	F 14.61	16.27		14.45				15.65
8	21.35	21.38	19.44	16.41		15.89						15.40
9	22.52	23.02	19.15	16.03	F 15.42	15.61				F 14.21		
10	21.77	24.72	18.90	15.73	17.05	15.44	F 14.52					
11	21.37	21.78	18.69	15.62	16.01	16.33			F 14.30			14.65
12	20.86	22.33	18.45	15.50	F 15.45	15.89						
13	20.30	21.95	18.25			15.38		F 14.36			14.18	
14	19.88	21.45	18.00		F 14.87	15.15		F 14.35				
15	19.55	20.99	18.09									
16	19.28	21.40	18.43	F 15.42						14.15		
17	19.04	22.79	19.35				F 14.60					14.40
18	18.93	22.10	18.95			14.88			F 14.30			
19	24.80	23.25	18.45									
20	22.40	22.65	18.00								14.14	14.40
21	23.02	21.59	17.63					F 14.36				
22	23.02	23.20	17.30		F 14.78							
23	21.65	22.49	16.94	F 14.83						F 14.35		
24	25.00	21.35	16.63				F 14.56					
25	28.30	20.75	16.38						F 14.30			
26	27.85	20.28	16.17			F 14.63					13.58	14.62
27	27.55	19.95	15.83		F 15.42							
28	27.10	19.68	15.72		17.52			F 14.38				
29	27.00	-----	15.57		20.00							
30	26.49	-----	16.09	F 14.80	18.89					14.27		
31	25.60	-----	16.72	-----	17.32	-----	F 14.45		-----		-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	22.93	22.02	18.38	16.36	16.44	16.95	14.55	14.38	14.31	14.25	14.04	15.53
MAX	28.30	24.72	23.00	18.63	20.00	21.85	14.60	14.45	14.35	14.35	14.25	17.69
MIN	18.93	19.68	15.57	14.80	14.61	14.63	14.45	14.35	14.30	14.15	13.58	14.40
DAYS	31	28	31	15	12	16	5	5	4	5	4	9

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 165

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 18.67.

HIGHEST STAGE WAS 28.40 AT NOON ON JAN 25.

LOWEST STAGE WAS NOT DETERMINED.

## DAILY STAGE FOR 1990

## BAYOU LATENACHE BELOW POINTE COUPEE DRAINAGE STRUCTURE (LA.)

LOCATION. LAT. 30-43-43, LONG. 91-43-59. ON DOWNSTREAM SIDE OF STRUCTURE, 2.4 MILES NORTH OF MELVILLE, LA. (STA. 4350012B.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. FEB. 9, 1951 TO DATE.

EXTREMES. HIGHEST, (FROM INCOMPLETE RECORD) 38.10 FEET ON MAY 18, 1973. LOWEST, BELOW LEVEL OF GAGE ON MAY 16, 1988 AND LATER DATE(S).

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	22.28	24.18	19.38	16.65		21.38						
2	21.70	23.00	22.90	16.45		21.20				B		
3	21.10	23.12	22.20	18.51		19.47	B					17.18
4	22.50	22.45	21.35	17.99		18.19			B			17.68
5	22.26	22.50	20.65	17.39		17.20						16.85
6	23.60	21.95	20.10	16.85		16.53					B	16.00
7	23.22	21.60	19.73	16.70	B	16.03		B				15.60
8	22.07	21.25	19.40	16.30		15.66						15.35
9	22.45	22.90	19.12	15.99 F	15.22	15.38				B		
10	21.72	24.60	18.90	15.69	16.65	15.27	B					
11	21.32	21.73	18.68	15.55	15.70	15.94			B			B
12	20.80	22.20	18.43	15.42 F	15.23	15.61						
13	20.23	21.80	18.20	15.32		15.30		F 14.36			B	
14	19.82	21.33	17.99		B							
15	19.49	20.89	18.02					B				
16	19.23	21.30	18.38 F	15.31						B		
17	18.99	22.64	19.25				B					B
18	18.89	22.03	18.90			14.75			B			
19	24.74	23.05	18.38								B	B
20	22.25	22.53	17.91									
21	22.95	21.50	17.52					B				
22	23.00	23.30	17.20							B		
23	21.60	22.41	16.83	B								
24	24.90	21.30	16.51				B					
25	27.80	20.71	16.23						B			
26	27.70	20.20	16.03			B					B	B
27	27.42	19.90	15.78		F 15.25							
28	27.03	19.60	15.62		16.75			B				
29	26.93	-----	15.50		19.42							
30	26.40	-----	16.02	B	18.52					B		
31	25.51	-----	16.78	-----	17.15	-----	B		-----		-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	22.90	22.00	18.32	16.44	16.65	16.99		14.36				16.44
MAX	27.80	24.60	22.90	18.51	19.42	21.38		14.36				17.68
MIN	18.89	19.60	15.50	15.31	15.22	14.75		14.36				15.35
DAYS	31	28	31	14	9	14	0	1	0	0	0	0

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 134  
 B=CHANNEL DRY F=NOT AT STATED TIME  
 THE MEAN STAGE FOR THE YEAR WAS 19.59.  
 HIGHEST STAGE WAS 27.90 AT 3:00 P.M. ON JAN 25.  
 LOWEST STAGE WAS NOT DETERMINED.

## DAILY STAGE FOR 1990

## BAYOU LATENACHE BELOW POINTE COUPEE DRAINAGE STRUCTURE (LA.)

LOCATION. LAT. 30-43-38, LONG. 91-43-54. ABOUT 300 FEET BELOW DRAINAGE STRUCTURE (FWS).  
(STA. 4350512B.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. INTERMITTENTLY, 1968 TO DATE.

DAY	STAGE IN FEET											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1												
2	21.65			16.46						12.80		
3												
4						18.20	13.60		14.15			17.63
5			20.60									
6		21.92									12.77	
7					13.87			13.45				
8												
9	22.40			15.96						13.13		
10							13.50					
11												
12			18.40			15.58			13.40			14.15
13		21.80									12.87	
14					14.02			14.00				
15												
16	19.19			15.30						12.80		13.25
17												
18						14.53	13.37		13.28			
19			18.32									
20		22.43									12.82	13.30
21								14.25				
22					13.58							
23	21.53			14.20						12.90		
24							13.28					
25									13.20			
26			16.05			14.00					12.80	13.77
27		19.78										
28								14.45				
29		-----			19.37							
30	26.25	-----		13.90		-----	13.08	-----		12.81	-----	

## DAILY STAGE FOR 1990

WABPL (FWS) AT BAYOU ROUGE (LA.)

LOCATION: LAT. 30-45-23, LONG. 91-54-35. IN BAYOU ROUGE, 2.8 MILES NORTH OF PALMETTO, LA.  
(STA. 4615012A.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. DAILY, JUNE 8, 1937 TO 1979, JUNE 14, 1982 TO FEB. 9, 1987. INTERMITTENTLY  
JAN. 11, 1988 TO DATE.

EXTREMES. HIGHEST, 29.89 FEET ON MAR. 14, 1988. LOWEST, 12.3 FEET FROM OCT. 14 TO 16, 1950.

STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1										16.50		
2	23.05			18.00			16.60					12.10
3						19.33						
4		26.19							16.68		16.49	
5								17.05				
6					17.50							
7	26.27											
8				17.63			16.68			16.56		
9									16.62			17.18
10						17.05						
11		25.10										
12											16.58	
13			18.27		18.36			17.00				
14										16.50		
15												
16	20.19			17.61			16.84					
17						16.85			16.61			17.08
18			19.45									
19		24.02						16.87				
20												
21					17.99						15.53	
22	26.40									16.58		
23				17.62			17.42					
24						16.77			16.58			
25												
26		22.80									16.58	17.06
27								16.68				
28												
29	27.35	-----			17.57					16.48		
30		-----		17.65								
31							17.20					15.55

## DAILY STAGE FOR 1990

BAYOU ROUGE NEAR PALMETTO, LA.

LOCATION . LAT. 30-45-23, LONG. 91-56-05. ON HIGHWAY 360 BRIDGE ABOUT 5 MILES NORTHEAST OF PALMETTO. LA.  
(STA. 4615512A.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. FOR RECORDS 1937 TO 1987, REFER TO GAGE WABPL (FWS) AT BAYOU ROUGE (LA.).

RECORDS AVAILABLE. SEP. 30, 1987 TO DATE.

EXTREMES. HIGHEST, 28.10 FEET ON JAN. 25, 1990. LOWEST, 14.02 FEET ON OCT. 30, 1989 AND LATER DATE(S).

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	23.35	26.80	20.50	17.39	16.40	18.88	15.90	15.43	15.19	14.59	14.25	14.49
2	23.00	26.62	22.35	17.29	16.62	20.18	15.80	15.50	15.11	14.57	14.23	14.47
3	22.25	26.59	23.46	17.31	16.69	20.20	15.63	15.51	15.10	14.53	14.22	15.18
4	22.95	26.53	23.30	17.49	16.42	19.44	15.61	15.65	15.02	14.52	14.23	15.65
5	25.15	26.25	22.63	17.34	16.45	18.58	15.52	15.75	14.98	14.52	14.30	15.61
6	26.08	25.88	21.68	17.12	16.31	17.80	15.45	15.79	14.92	14.50	14.31	15.53
7	26.37	25.49	20.85	17.23	16.25	17.20	15.33	15.81	14.90	14.49	14.32	15.59
8	26.38	25.10	20.19	17.30	16.19	16.72	15.21	15.78	14.85	14.49	14.33	15.62
9	26.01	25.40	19.58	17.05	17.00	16.48 F	15.17	15.69	14.80	14.44	14.47	15.58
10	25.58	25.69	19.20	16.75	19.40	16.33	15.10	15.60	14.80	14.49	14.50	15.50
11	24.89	25.51	18.85	16.52	20.05	16.29	15.05	15.55	14.80	14.48	14.51	15.40
12	24.10	25.20	18.58	16.43	19.71	16.35	15.03	15.52	14.79	14.45	14.53	15.30
13	23.18	24.73	18.40	16.62	19.00	16.45	15.12	15.53	14.78	14.42	14.52	15.16
14	22.18	24.22 F	18.27	16.68	18.28	16.50	15.25	15.55	14.75	14.40	14.52	15.10
15	21.19	23.71	18.35	16.70	17.60	16.50	15.33	15.54	14.77	14.38	14.51	14.99
16	20.32	23.99	19.08	16.71	17.01	16.55	15.39	15.61	14.73	14.35	14.50	14.90
17	19.55	24.16	19.79	16.60	16.60	16.60	15.54	15.68	14.72	14.33	14.49	14.90
18	19.75	23.95	19.95	16.49	16.30	16.62	15.59	15.80	14.75	14.31	14.48	14.82
19	25.55	24.19	19.58	16.29	16.08	16.62	15.55	15.91	14.89	14.29	14.47	14.79
20	26.29	24.10	19.02	16.09	15.94	16.61	15.50	16.02	14.89	14.25	14.49	14.72
21	26.59	23.64	18.49	16.00	15.72	16.60	15.61	15.91	14.88	14.22	14.48	14.72
22	26.44	24.25	18.02	15.98	15.62	16.55	15.78	15.80	14.83	14.40	14.43	14.77
23	26.28	24.58	17.61	15.98	15.70	16.52	15.85	15.70	14.89	14.40	14.45	14.87
24	27.11	24.42	17.28	16.05	15.73	16.48	16.02	15.59	14.88	14.40	14.42	15.81
25	27.98	23.87	17.03	16.08	15.68	16.42	15.99	15.49	14.82	14.39	14.41	16.09
26	27.65	23.05	16.79	16.15	15.64	16.30	15.84	15.41	14.80	14.37	14.41	16.00
27	27.45	22.10	16.61	16.60	15.62	16.21	15.73	15.36	14.78	14.33	14.42	15.88
28	27.25	21.27	16.49	16.89	16.89	16.18	15.63	15.30	14.70	14.31	14.52	15.80
29	27.35	-----	16.45	16.80	18.97	16.09	15.56	15.25	14.65	14.32	14.51	15.72
30	27.18	-----	16.68	16.59	19.25	15.98	15.52	15.25	14.62	14.28	14.50	15.63
31	26.99	-----	17.22	-----	18.58	-----	15.45	15.23	-----	14.25	-----	15.58

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	24.92	24.69	19.11	16.68	17.02	17.01	15.52	15.60	14.85	14.40	14.42	15.30
MAX	27.98	26.80	23.46	17.49	20.05	20.20	16.02	16.02	15.19	14.59	14.53	16.09
MIN	19.55	21.27	16.45	15.98	15.62	15.98	15.03	15.23	14.62	14.22	14.22	14.47
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 17.42.

HIGHEST STAGE WAS 28.10 AT 12:30 A.M. ON JAN 25.

LOWEST STAGE WAS 14.22 ON OCT 21 AND LATER DATE(S).



## DAILY STAGE FOR 1990

BIG DARBONNE BAYOU (FWS) AT COURTABLEAU, LA.

LOCATION. LAT. 30-33-05, LONG. 91-51-53. NORTH OF U. S. HIGHWAY 190, ON EAST SIDE OF DARBONNE BAYOU CONTROL STRUCTURE. (STA. 4630012E.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. INTERMITTENTLY, 1932 TO 1934, 1941 TO 1958, AND 1961 TO 1966. DAILY, MAY 1966 TO DATE.

EXTREMES. (FROM INCOMPLETE RECORD) HIGHEST, 25.9 FEET ON MAY 3, 1945. LOWEST, 10.5 FEET ON SEP. 15, 1954.

DAILY SEVEN A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	G 16.80	18.50	18.40 G	16.45 G	14.65 G	15.85 G	16.55 G	13.85 G	13.60 G	13.35 G	13.30 G	11.40
2	G 16.90	18.40	18.60 G	16.45 G	14.60 G	15.95 G	15.75 G	13.80 G	13.45 G	13.30 G	13.35 G	11.50
3	G 16.80	18.50	18.70 G	16.50 G	14.55 G	15.95 G	15.70 G	13.80 G	13.35 G	13.10 G	13.35 G	12.20
4	G 16.80	18.50	18.70 G	16.50 G	14.50 G	16.25 G	15.65 G	13.75 G	13.35 G	13.15 G	13.30 G	14.35
5	G 17.00	18.40	18.70 G	16.45 G	14.45 G	16.25 G	15.60 G	13.75 G	13.35 G	13.20 G	13.30 G	14.75
6	17.40	18.70	18.60 G	16.40 G	14.40 G	16.30 G	15.55 G	13.70 G	13.40 G	13.20 G	13.35 G	14.65
7	17.40	18.80	18.50 G	16.35 G	14.35 G	16.35 G	15.50 G	13.65 G	13.40 G	13.20 G	13.35 G	14.75
8	17.40	18.70	18.60 G	16.30 G	14.40 G	16.50 G	15.45 G	13.75 G	13.40 G	13.20 G	13.30 G	14.65
9	17.70	18.80	18.50 G	16.20 G	14.50 G	16.55 G	15.45 G	13.75 G	13.35 G	13.15 G	13.30 G	14.60
10	17.60	18.90	18.40 G	16.15 G	14.75 G	16.55 G	14.85 G	13.70 G	13.35 G	13.15 G	13.50 G	14.55
11	17.50	18.80	18.30 G	16.25 G	15.65 G	16.60 G	14.75 G	13.70 G	13.35 G	13.20 G	13.70 G	14.50
12	17.40	18.70	18.20 G	16.15 G	15.45 G	16.70 G	14.70 G	13.80 G	13.30 G	13.20 G	13.50 G	14.40
13	17.30	18.60 G	17.90 G	15.85 G	15.35 G	16.80 G	14.65 G	13.75 G	13.30 G	13.10 G	13.40 G	14.35
14	17.30	18.40 G	17.80 G	15.70 G	15.30 G	16.90 G	14.65 G	13.75 G	13.35 G	13.10 G	13.50 G	14.30
15	16.90	18.50 G	17.70 G	15.60 G	15.25 G	16.90 G	14.65 G	13.80 G	13.35 G	13.10 G	13.45 G	14.10
16	G 15.90	18.60 G	17.70 G	15.50 G	15.10 G	16.90 G	14.55 G	13.85 G	13.30 G	13.00 G	13.40 G	14.10
17	G 16.70	18.60 G	17.60 G	15.45 G	14.95 G	16.90 G	14.55 G	13.85 G	13.30 G	13.00 G	13.20 G	13.90
18	G 16.50	18.50 G	17.50 G	15.40 G	14.90 G	16.90 G	14.50 G	13.75 G	13.30 G	13.00 G	13.20 G	13.80
19	G 16.70	18.60 G	17.40 G	15.20 G	14.85 G	16.90 G	14.50 G	13.70 G	13.35 G	13.10 G	13.10 G	13.70
20	17.10	18.50 G	17.30 G	15.50 G	14.80 G	16.90 G	14.45 G	13.65 G	13.35 G	13.10 G	12.55 G	13.65
21	17.30	18.60 G	17.20 G	14.90 G	14.75 G	16.90 G	14.20 G	13.65 G	13.40 G	13.10	12.45 G	13.60
22	17.40	18.60 G	17.10 G	14.75 G	14.85 G	16.95 G	14.20 G	13.65 G	13.40 G	13.10	11.55 G	13.70
23	17.60	18.70 G	17.00 G	14.70 G	14.95 G	16.95 G	14.20 G	13.65 G	13.40 G	13.20	11.70 G	13.75
24	17.40	18.70 G	16.80 G	14.80 G	15.00 G	16.90 G	14.10 G	13.70 G	13.35 G	13.25	11.20 G	13.80
25	18.00	18.60 G	16.70 G	14.70 G	15.10 G	16.90 G	14.10 G	13.70		13.25	11.00 G	14.30
26	18.10	18.60 G	16.60 G	14.70 G	15.20 G	16.85 G	14.10 G	13.65 G	13.40 G	13.20	10.90 G	15.20
27	18.20	18.50 G	16.50 G	14.70 G	15.25 G	16.80 G	14.00 G	13.60 G	13.40 G	13.20	11.00 G	15.40
28	18.30	18.50 G	16.45 G	14.60 G	15.30 G	16.70 G	14.00 G	13.60 G	13.40 G	13.40	11.10 G	15.50
29	18.40	----- G	16.40 G	14.70 G	15.55 G	16.65 G	14.00 G	13.60 G	13.40 G	13.35 G	11.30 G	15.80
30	18.30	----- G	16.50 G	14.70 G	15.65 G	16.60 G	14.00 G	13.60 G	13.35 G	13.35 G	11.35 G	15.10
31	18.50	----- G	16.45	----- G	15.70	----- G	14.00 G	13.60	----- G	13.30	----- G	15.00

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	17.37	18.60	17.64	15.59	14.97	16.64	14.74	13.71	13.37	13.18	12.66	14.17
MAX	18.50	18.90	18.70	16.50	15.70	16.95	16.55	13.85	13.60	13.40	13.70	15.80
MIN	15.90	18.40	16.40	14.60	14.35	15.85	14.00	13.60	13.30	13.00	10.90	11.40
DAYS	31	28	31	30	31	30	31	31	29	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 364

G=GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 15.20.

HIGHEST STAGE WAS 18.90 ON FEB 10.

LOWEST STAGE WAS 10.90 ON NOV 26.

## DAILY STAGE FOR 1990

WABPL BORROW PIT (FWS) NEAR COURTABLEAU, LA.

LOCATION. LAT. 30-32-07, LONG. 91-51-23. ON RIGHT BANK 1000 FEET NORTH OF BAYOU COURTABLEAU DRAINAGE STRUCTURE, 1.7 MILES SOUTHEAST OF COURTABLEAU. (STA. 4637512E.)

GAGE. STAFF TYPE IN SEVERAL SECTIONS.

GENERAL INFORMATION. GAGE HAS BEEN KNOWN AS BAYOU COURTABLEAU CROSSING, FWS.

RECORDS AVAILABLE. STAGE, INTERMITTENTLY, 1932 TO 1950, 1953, AND 1956 TO 1957. DAILY, MAY 1968 TO DATE. DISCHARGE, 1932 TO 1934.

EXTREMES. HIGHEST, 26.0 FEET ON APR. 28, 1945. LOWEST, 10.6 FEET ON OCT. 15 AND LATER DATES IN 1972.

## DAILY SEVEN A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	16.80	18.50	18.40	16.40	14.60	15.90	16.45	13.85	13.50	13.35	13.30	11.40
2	16.90	18.40	18.60	16.40	14.55	16.00	15.80	13.80	13.45	13.30	13.35	11.50
3	16.80	18.50	18.70	16.40	14.50	16.00	15.75	13.80	13.35	13.10	13.35	12.25
4	16.80	18.50	18.60	16.50	14.45	16.20	15.70	13.75	13.35	13.15	13.30	14.40
5	17.00	18.40	18.50	16.45	14.40	16.25	15.65	13.75	13.35	13.20	13.30	14.80
6	17.40	18.50	18.60	16.40	14.35	16.30	15.55	13.70	13.40	13.20	13.35	14.70
7	17.60	18.50	18.50	16.30	14.30	16.35	15.55	13.65	13.40	13.20	13.35	14.80
8	17.40	18.40	18.40	16.20	14.35	16.50	15.50	13.75	13.40	13.20	13.30	14.70
9	17.70	18.50	18.30	16.20	14.50	16.60	15.50	13.75	13.35	13.15	13.30	14.60
10	17.60	18.60	18.20	16.10	14.70	16.60	14.90	13.70	13.35	13.15	13.50	14.55
11	17.50	18.50	18.10	16.20	15.50	16.70	14.80	13.70	13.35	13.20	13.70	14.50
12	17.40	18.50	18.00	16.10	15.40	16.80	14.70	13.80	13.30	13.20	13.50	14.40
13	17.30	18.40	17.80	15.80	15.30	16.90	14.65	13.75	13.30	13.10	13.40	14.35
14	17.30	18.40	17.90	15.70	15.25	17.00	14.50	13.75	13.35	13.10	13.50	14.30
15	16.90	18.30	18.00	15.60	15.20	17.00	14.50	13.80	13.35	13.10	13.45	14.15
16	16.80	18.40	17.80	15.55	15.00	17.00	14.45	13.85	13.30	13.00	13.40	14.15
17	16.70	18.40	17.60	15.50	14.90	17.00	14.45	13.85	13.30	13.00	13.20	13.90
18	16.50	18.30	17.50	15.45	14.85	17.00	14.40	13.75	13.30	13.00	13.10	13.80
19	16.70	18.40	17.40	15.25	14.80	17.00	14.40	13.70	13.35	13.10	13.00	13.70
20	17.10	18.50	17.30	15.55	14.75	17.00	14.40	13.65	13.35	13.10	12.50	13.65
21	17.30	18.40	17.20	14.95	14.70	17.00	14.20	13.65	13.40	13.10	12.40	13.60
22	17.40	18.40	17.10	14.80	14.80	16.95	14.20	13.65	13.40	13.10	11.60	13.70
23	17.60	18.60	17.00	14.70	14.90	16.95	14.20	13.65	13.40	13.20	11.50	13.75
24	17.40	18.60	16.80	14.75	14.95	16.90	14.10	13.70	13.35	13.25	11.20	13.80
25	18.00	18.60	16.70	14.70	15.00	16.80	14.10	13.70		13.25	11.00	14.30
26	18.10	18.50	16.60	14.80	15.10	16.70	14.10	13.65	13.40	13.20	10.90	15.20
27	18.20	18.50	16.50	14.75	15.20	16.65	14.00	13.60	13.40	13.20	11.00	15.40
28	18.20	18.40	16.40	14.60	15.35	16.60	14.00	13.60	13.40	13.40	11.10	15.50
29	18.40	-----	16.35	14.65	15.50	16.55	14.00	13.60	13.40	13.35	11.30	15.80
30	18.30	-----	16.40	14.70	15.60	16.50	14.00	13.60	13.35	13.35	11.35	15.10
31	18.50	-----	16.45	-----	15.65	-----	14.00	13.60	-----	13.30	-----	15.00

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	17.41	18.46	17.60	15.58	14.92	16.66	14.73	13.71	13.37	13.18	12.65	14.19
MAX	18.50	18.60	18.70	16.50	15.65	17.00	16.45	13.85	13.50	13.40	13.70	15.80
MIN	16.50	18.30	16.35	14.60	14.30	15.90	14.00	13.60	13.30	13.00	10.90	11.40
DAYS	31	28	31	30	31	30	31	31	29	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 364

THE MEAN STAGE FOR THE YEAR WAS 15.19.

HIGHEST STAGE WAS 18.70 ON MAR 3.

LOWEST STAGE WAS 10.90 ON NOV 26.

## DAILY STAGE FOR 1990

## BAYOU COURTABLEAU OUTLET CHANNEL NEAR NORTHEAST WING WALL (LA.)

LOCATION. LAT. 30-32-02, LONG. 91-51-20. ON NORTHEAST WINGWALL OF DRAINAGE STRUCTURE,  
1.7 MILES SOUTHEAST OF COURTABLEAU, LA. (STA. 4660012E.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. MAR. 28, 1957 TO DATE.

EXTREMES. HIGHEST, 22.99 FEET ON MAY 26 AND 27, 1973. LOWEST, 8.43 FEET ON OCT. 6 AND 7, 1980.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	16.68	17.86	18.38		13.70	15.79	15.90	12.20	11.92	11.74	12.07	10.02
2	16.50	17.86	18.55	16.35	13.68	15.90	15.73	12.20	11.90	11.67	12.07	10.20
3	16.10	17.85	18.60	16.34	13.65	16.00	15.59	12.19	11.90	11.55	12.06	10.63
4	15.49	17.90	18.62	16.36	13.63	16.10	15.40	12.16	11.89	11.50	12.05	14.92
5	16.25	17.90	18.60	16.35	13.59	16.20	15.19	12.14	11.95	11.56	12.08	13.21
6	17.22	17.99	18.50	16.30	13.58	16.30	14.97	12.11	11.90	11.64	12.07	12.60
7	17.31	17.98	18.43	16.26	13.57	16.34	14.75	12.15	11.90	11.70	12.04	13.52
8	17.33	17.97	18.34	16.20	13.54	16.44	14.52	12.12	11.90	11.75	12.02	13.00
9	17.25	18.05	18.26	16.11	13.68	16.54	14.33	12.08	11.90	11.80	12.06	12.74
10	17.15	18.17	18.18	16.03	15.60	16.60	14.19	12.07	11.89	11.80	12.00	12.56
11	17.02	18.16	18.06	15.91	15.50	16.70	14.02	12.05	11.89	11.80	11.94	14.97
12	16.93	18.12	17.95	15.81	14.60	16.75	13.84	12.04	11.89	11.80	11.80	13.45
13	16.79	18.10	17.89	15.69	14.38	16.81	13.74	12.03	11.83	11.79	11.62	12.79
14	16.52	18.05	17.76	15.57	14.32	16.85	13.55	12.03	11.81	11.79	11.48	12.35
15	16.19	18.02	17.65	15.40	14.37	16.89	13.37	12.07	11.80	11.79	11.27	12.20
16	15.43	18.10	17.52	15.28	14.40	16.92	13.22	12.10	11.80	11.80	11.05	12.07
17	15.31	18.14	17.47	15.15	14.45	16.98	13.11	12.13	11.80	11.80	10.83	11.98
18	15.20	18.15	17.38	14.96	14.54	16.99	13.00	12.11	11.83	11.80	10.68	11.94
19	16.35	18.23	17.25	14.81	14.65	16.99	12.88	12.10	11.83	11.79	10.50	11.79
20	16.87	18.27 E	17.18	14.70	14.72	16.99	12.75	12.08	11.87	11.77	10.36	11.74
21	16.92	18.30	17.08	14.55	14.82	16.99	12.66	12.06	11.87	11.77	10.23	11.76
22	16.99	18.38	16.94	14.40	14.87	16.94	12.57	12.05	11.87	11.86	10.13	11.79
23	16.96	18.42	16.80	14.28	14.92	16.90	12.48	12.01	11.87	11.83	10.02	11.84
24	17.04	18.50	16.68	14.16	15.00	16.83	12.44	12.00	11.85	11.80	10.02	11.83
25	17.35	18.50	16.50	14.05	15.05	16.78	12.46	12.00	11.84	11.78	9.96	16.30
26	17.47	18.48	16.43	13.94	15.09	16.63	12.40	12.00	11.83	11.98	9.94	16.18
27	17.48	18.45	16.34	13.90	15.20	16.53	12.39	11.99	11.80	12.02	9.91	16.00
28	17.50	18.42	16.28	13.84	15.31	16.41	12.37	11.98	11.80	12.07	10.02	15.86
29	17.60	-----	16.25	13.79	15.42	16.27	12.37	11.98	11.79	12.08	9.97	14.90
30	17.60	-----	-----	13.73	15.54	16.10	12.30	11.97	11.78	12.06	9.93	14.78
31	17.60	-----	-----	-----	15.66	-----	12.27	11.94	-----	12.07	-----	14.68

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	16.79	18.15	17.58	15.18	14.55	16.58	13.57	12.07	11.86	11.81	11.07	13.05
MAX	17.60	18.50	18.62	16.36	15.66	16.99	15.90	12.20	11.95	12.08	12.08	16.30
MIN	15.20	17.85	16.25	13.73	13.54	15.79	12.27	11.94	11.78	11.50	9.91	10.02
DAYS	31	28	29	29	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 362

E=ESTIMATED

THE MEAN STAGE FOR THE YEAR WAS 14.31.

HIGHEST STAGE WAS 18.62 AT 9:00 A.M. ON MAR 3 AND LATER DATE(S).

LOWEST STAGE WAS 9.87 ON NOV 27.

## DAILY STAGE FOR 1990

## BAYOU COURTABLEAU OUTLET CHANNEL NEAR SOUTHEAST WING WALL (LA.)

LOCATION. LAT. 30-31-58, LONG. 91-51-20. ON SOUTHEAST WINGWALL OF DRAINAGE STRUCTURE, 1.7 MILES SOUTHEAST OF COURTABLEAU, LA. (STA. 4675012E.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. INTERMITTENTLY, 1956 TO 1957. DAILY, MAR. 17, 1957 TO DATE.

EXTREMES. HIGHEST, 22.95 FEET ON MAY 26 AND 27, 1973. LOWEST, 8.70 FEET ON SEP. 24 AND LATER DATES IN 1980.

## DAILY SEVEN A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	16.70	17.90	18.20	16.35	13.60	15.80	15.90	12.30	11.80	11.70	11.75	10.20
2	16.50	17.80	18.50	16.30	13.55	15.90	15.70	12.25	11.75	11.65	11.80	10.25
3	16.20	17.90	18.70	16.40	13.50	16.00	15.50	12.25	11.75	11.50	11.80	10.80
4	16.50	18.00	18.60	16.40	13.45	16.10	15.40	12.20	11.75	11.55	11.75	14.90
5	16.30	17.90	18.60	16.35	13.40	16.20	15.30	12.20	11.75	11.60	11.75	13.40
6	17.30	18.00	18.40	16.30	13.60	16.30	15.30	12.10	11.75	11.60	11.80	12.50
7	17.40	17.90	18.50	16.25	13.50	16.40	15.20	12.00	11.75	11.70	11.80	13.50
8	17.40	18.00	18.50	16.25	13.40	16.50	15.00	12.00	11.75	11.70	11.75	13.20
9		18.10	18.40	16.10	13.50	16.50	15.00	11.90	11.70	11.65	11.75	12.80
10		18.30	18.30	16.00	13.60	16.60	15.00	11.90	11.70	11.65	11.80	12.75
11		18.20	18.20	15.90	16.35	16.70	15.00	11.90	11.70	11.70	11.80	14.90
12		18.30	18.00	15.80	14.70	16.80	15.00	11.80	11.65	11.70	11.65	13.50
13		18.20	17.90	15.70	14.40	16.90	15.00	11.75	11.65	11.60	11.60	13.55
14	16.50	18.10	17.80	15.70	14.30	16.90	13.50	11.75	11.70	11.65	11.65	13.50
15	16.20	18.10	17.70	15.40	14.35	16.95	13.40	11.75	11.70	11.65	11.60	12.20
16	15.90	18.10	17.60	15.35	14.35	17.00	13.30	11.80	11.65	11.60	11.55	12.20
17	15.40	18.20	17.50	15.10	14.40	17.00	13.30	11.85	11.65	11.60	10.80	11.90
18	15.30	18.20	17.40	15.00	14.50	17.00	13.20	11.85	11.65	11.60	10.80	11.80
19	16.40	18.30	17.30	14.90	14.65	17.00	13.20	11.80	11.70	11.65	10.70	11.70
20	16.90	18.40	17.20	14.95	14.65	17.00	13.10	11.95	11.70	11.65	10.70	11.65
21	17.00	18.30	17.10	14.50	14.70	17.00	12.90	11.95	11.75	11.70	10.60	11.50
22	17.10	18.40	16.90	14.40	14.85	17.00	12.80	11.95	11.75	11.70	10.50	11.60
23	17.00	18.40	16.80	14.30	14.90	17.00	12.80	11.95	11.75	11.75	10.60	11.70
24	17.40	18.50	16.70	14.20	14.90	16.95	12.70	11.95	11.70	11.80	10.50	11.80
25	17.40	18.50	16.60	14.10	15.00	17.00	12.70	11.95	11.70	11.80	10.20	16.50
26	17.50	18.50	16.50	14.00	15.10		12.60	11.95	11.75	11.75	10.10	16.40
27	17.60	18.40	16.40	14.00	15.20		12.50	11.85	11.75	11.75	10.00	16.20
28	17.50	18.30	16.30	13.90	15.30		12.30	11.85	11.75	11.85	10.00	15.90
29	17.60	-----	16.30	13.80	15.45		12.35	11.80	11.75	11.80	10.10	15.00
30	17.50	-----	16.40	13.70	15.50		12.35	11.80	11.70	11.80	10.15	14.80
31	17.70	-----	16.35	-----	15.60	-----	12.35	11.80	-----	11.75	-----	14.70

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	16.85	18.19	17.54	15.25	14.46	16.66	13.86	11.94	11.72	11.68	11.11	13.14
MAX	17.70	18.50	18.70	16.40	16.35	17.00	15.90	12.30	11.80	11.85	11.80	16.50
MIN	15.30	17.80	16.30	13.70	13.40	15.80	12.30	11.75	11.65	11.50	10.00	10.20
DAYS	26	28	31	30	31	25	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 355  
 THE MEAN STAGE FOR THE YEAR WAS 14.27.  
 HIGHEST STAGE WAS 18.70 ON MAR 3.  
 LOWEST STAGE WAS 10.00 ON NOV 27 AND LATER DATE(S).

## DAILY STAGE FOR 1990

BAYOU COURTABLEAU OUTLET CHANNEL AT STATION 225+00 (LA.) (EAST AUTO.)

LOCATION. LAT. 30-28-30, LONG. 91-50-20. ON TOWER, 5.5 MILES SOUTHEAST OF COURTABLEAU, LA.  
(STA. 4907512E.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. OCT. 9, 1959 TO DATE.

EXTREMES. HIGHEST 23.19 FEET ON MAY 26 AND 27, 1973. LOWEST, (FROM INCOMPLETE RECORD) 9.20 FEET  
ON AUG. 11 AND 12, 1980.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		F 17.85	F 18.50	16.48			16.07	12.40	12.10	11.92	12.27	
2		17.85		16.47			15.89	12.40	12.08	11.84		
3		17.87	18.69	16.53			15.72	12.39	12.09	11.69		
4				16.50			15.55	12.37	12.07	11.64		
5				16.47			15.34	12.35	12.10	11.73		
6				16.44			15.13	12.34	12.08	11.80		
7				16.38			14.92	12.33	12.04	11.87		
8				16.32			14.71	12.31	12.04	11.90		
9				16.23			14.53	12.27	12.02	11.92		
10			F 18.33	16.14			14.36	12.26	12.01	11.99		
11				16.06			14.19	12.25	12.01	11.97		
12			18.16	15.93			14.01	12.20	12.01	11.95		
13			18.05	15.82			13.89	12.20	12.00	11.95		
14		F 18.17	17.97	15.65			13.70	12.18	11.96	11.95		
15			17.87	15.55			13.52	12.23	11.94	11.95		
16			17.76	15.38	14.51		13.37	12.27	11.94	11.95		
17			17.70	15.26			13.29	12.29	11.95	11.95		
18			17.58	15.09			13.20	12.29	11.94	11.96		
19			17.47	14.92			13.10	12.27	11.94	11.96		
20			17.37	14.79			12.98	12.26	12.01	11.92		
21			17.24	14.64			12.87	12.26	11.99	11.89		
22			17.13	14.52			12.79	12.24	11.98	12.05		
23			16.97	14.38			12.72	12.19	12.00	12.02		
24			16.86	14.26			12.68	12.17	12.00	11.98		
25			16.73	14.14			12.69	12.17	11.98	11.96		
26			16.63	14.06			12.64	12.15	11.97	12.10		
27			16.54			16.69	12.62	12.16	11.95	12.20		
28		F 18.51	16.47			16.59	12.57	12.14	11.94	12.24		
29		-----	16.44			16.42	12.58	12.13	11.94	12.25		
30		-----	16.51			16.25	12.51	12.14	11.93	12.27		
31		-----	16.51	-----		-----	12.43	12.11	-----	12.27	-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN		18.05	17.37	15.55	14.51	16.49	13.76	12.25	12.00	11.97	12.27	
MAX		18.51	18.69	16.53	14.51	16.69	16.07	12.40	12.10	12.27	12.27	
MIN		17.85	16.44	14.06	14.51	16.25	12.43	12.11	11.93	11.64	12.27	
DAYS	0	5	23	26	1	4	31	31	30	31	1	0

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 183

E=ESTIMATED F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 13.79.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 18.69 ON MAR 3.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 11.62 ON OCT 3.

## DAILY STAGE FOR 1990

WABPL (FWS) AT CLEON, LA.

LOCATION. LAT. 30-19-42, LONG. 91-47-15. ON TEXAS OIL CO. WHARF, 300 FEET NORTH OF INTERSTATE 10 OVERPASS. (STA. 4912012D.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. DAILY, DEC. 5, 1934 TO OCT. 12, 1935, 1937 TO 1938, AND MAR. 22, 1957 TO DATE. INTERMITTENTLY, 1940 TO 1945.

EXTREMES. HIGHEST, 25.6 FEET FROM APR. 23 TO MAY 3, 1945. LOWEST, (FROM INCOMPLETE RECORD) 4.01 FEET ON NOV. 24, 1967.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	10.14	16.43	18.29	16.35	13.57					8.95	8.79	8.41
2	10.62	16.62	18.41	16.35	13.55					8.94	8.59	8.39
3	11.10	16.77	18.45	16.40	13.54					8.95	8.57	8.68
4	11.42	17.03	18.49	16.37	13.50					8.99	8.54	8.76
5	11.72	17.15	18.49	16.34	13.52					9.06	8.55	8.85
6	12.05	17.23	18.45	16.28	13.51					9.06	8.60	8.90
7	12.55	17.30	18.40	16.25	13.48					9.06	8.58	9.10
8	13.05	17.35	18.35	16.16	13.45					9.06	8.62	9.14
9	13.40	17.45	18.25	16.06	13.55					9.06	8.68	9.16
10	13.67	17.60	18.18	15.98	13.60					9.05	8.68	9.17
11	13.87	17.65	18.07	15.90	13.74		F 13.78			9.04	8.69	9.19
12	13.94	17.66	17.99	15.79	13.90		13.70			9.05	8.69	9.22
13	14.06	17.67	17.90	15.65	14.00					9.05	8.68	9.25
14	14.12	17.67	17.79	15.51	14.07					9.09	8.68	9.25
15	14.13	17.69	17.70	15.37	14.19					9.09	8.66	9.25
16	14.05	17.81	17.60	15.23	14.30					9.10	8.66	9.25
17	13.87	17.85	17.50	15.08	14.40					9.14	8.64	9.25
18	13.72	17.89	17.39	14.91	14.54				F 9.10	9.15	8.63	9.25
19	13.60	18.05	17.28	14.75	14.63					9.18	8.60	9.26
20	13.61	18.10	17.19	14.58	14.70					9.20	8.60	9.25
21	13.74	18.12	17.07	14.42	14.79					F 9.20	8.59	9.24
22	13.90	18.19	16.93	14.28	14.87						8.56	9.30
23	14.05	18.24	16.80	14.12	14.94		F 10.70				8.58	9.36
24	14.25	18.29	16.69	13.99	15.00		10.60		F 8.95		8.56	9.35
25	14.78	18.34	16.57	13.86	15.05		10.35		F 8.95		8.55	9.35
26	15.05	18.34	16.47	13.79	15.14		F 10.30		8.95		8.49	9.41
27	15.27	18.34	16.39	13.74	15.20				8.96		8.47	9.65
28	15.50	18.32	16.32	13.70	15.35				8.95		8.50	10.17
29	15.87	-----	16.30	13.65					8.95 F	9.20	8.50	10.75
30	16.10	-----	16.37	13.61					8.95	9.22	8.45	11.16
31	16.26	-----	16.36	-----		-----			-----	8.97	-----	11.46

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	13.66	17.68	17.50	15.15	14.22		11.57		8.97	9.08	8.60	9.36
MAX	16.26	18.34	18.49	16.40	15.35		13.78		9.10	9.22	8.79	11.46
MIN	10.14	16.43	16.30	13.61	13.45		10.30		8.95	8.94	8.45	8.39
DAYS	31	28	31	30	28	0	6	0	8	24	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 247

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 13.04.

HIGHEST STAGE WAS 16.50 AT 8:30 A.M. ON MAR 4.

LOWEST STAGE WAS 8.35 ON DEC 2 AND LATER DATE(S).

## DAILY STAGE FOR 1990

WABPL BORROW PIT (FWS) AT OPELOUSAS BAY (LA.)

LOCATION. LAT. 30-16-54, LONG. 91-44-11. ON PONTOON BRIDGE, 4.3 MILES SOUTH OF HENDERSON LANDING, LA. (STA. 4913512D.)

GAGE. WIRE-WEIGHT.

RECORDS AVAILABLE. INTERMITTENTLY, 1935, 1938, 1945, 1946, 1949, 1950, 1961 AND 1969. DAILY, OCT. TO DEC. 1967, AND SEP. 1969 TO DATE.

EXTREMES. HIGHEST, 23.60 FEET ON MAY 26, 1973. LOWEST, 3.90 FEET ON SEP. 26 AND 27, 1969.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	9.60	15.62	18.05	15.00	13.19	15.74	14.72	9.60	7.90			
2	9.76	15.80	18.10	15.00	13.17	15.91	14.89	9.55	8.05			8.88
3	9.92	15.92	18.12	15.00	13.16	14.90	14.74	9.51	8.11			8.90
4	10.30	15.85	18.10	15.00	13.15	14.92	14.67	9.40	8.17			8.90
5	10.98	15.88	18.02	15.00	13.15	14.96	14.54	9.35	8.21			8.90
6	11.56	15.93	17.91	14.89	13.20	15.01	14.32	9.31	8.38			8.90
7	11.74	15.98	17.78	14.88	13.24	15.05	14.17	9.23	8.61			8.90
8	11.98	15.99	17.66	14.95	13.32	15.09	13.90	9.16	8.85			8.89
9	12.36	16.00	17.54	14.90	13.38	15.20	13.71	9.15	8.87			8.88
10	12.74	16.00	17.45	14.86	13.40	15.41	13.48	9.04	8.88			8.90
11	12.98	16.07	17.40	14.82	13.49	15.60	13.26	8.97	8.90			8.90
12	13.20	16.21	17.31	14.72	13.60	15.82	13.02	9.96	8.92			8.90
13	13.15	16.52	17.20	14.65	13.50	15.96	12.26	9.93	8.94			8.90
14	13.13	16.80	17.07	14.60	13.63	16.09	12.52	9.91	8.98			8.93
15	13.12	17.08	17.01	14.50	13.72	16.38	12.35	9.85	8.99			8.95
16	12.93	17.22	16.96	14.50	13.83	16.62	12.18	9.78	8.97			8.90
17	12.91	17.40	16.90	14.39	13.95	16.75	12.01	9.62	8.96			8.92
18	12.96	17.51	16.76	14.27	14.06	16.61	11.70	9.50	8.94			8.95
19	12.92	17.60	16.59	14.09	14.18	16.48	11.49	8.41	8.91			9.99
20	12.82	17.63	16.43	13.95	14.31	16.26	11.18	8.28	8.89			9.01
21	12.98	17.67	16.30	13.02	14.42	16.05	10.80	8.21	8.98			9.04
22	13.21	17.74	16.18	13.90	14.52	15.91	10.30	8.16	8.85			9.09
23	13.43	17.76	16.06	13.79	14.60	15.72	10.12	8.07	8.85			9.12
24	13.68	17.79	16.00	13.70	14.72	15.61	9.90	8.02	8.83			9.14
25	13.93	17.80	15.91	13.62	14.84	15.50	9.81	7.94	8.87			9.16
26	14.47	17.88	15.93	13.48	14.93	15.37	9.70	7.93	8.80			9.20
27	14.90	17.93	15.05	13.36	14.98	15.26	9.67	7.93	8.78			9.60
28	15.02	18.01	15.03	13.29	15.09	15.17	9.64	7.94	8.76			10.12
29	15.15	-----	15.01	13.27	15.20	15.08	9.52	7.92	8.70			10.65
30	15.45	-----	15.00	13.24	15.49	14.96	9.55	7.92				10.44
31	15.57	-----	15.00	-----	15.62	-----	9.58	7.91	-----	-----	-----	10.60

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	12.87	16.84	16.77	14.29	14.03	15.65	12.05	8.89	8.72			9.22
MAX	15.57	18.01	18.12	15.00	15.62	16.75	14.89	9.96	8.99			10.65
MIN	9.60	15.62	15.00	13.02	13.15	14.90	9.52	7.91	7.90			8.88
DAYS	31	28	31	30	31	30	31	31	29	0	0	30

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 302

THE MEAN STAGE FOR THE YEAR WAS 12.92.

HIGHEST STAGE WAS 18.12 ON MAR 3.

LOWEST STAGE WAS 7.90 ON SEP 1.

## DAILY STAGE FOR 1990

WABPL BORROW PIT (FWS) AT BAYOU MERSIER (LA.)

LOCATION. LAT. 30-14-00, LONG. 91-41-55. NORTH (150 FEET) OF PUBLIC BOAT LAUNCH, 1.7 MILES NORTH OF CATANOLLA, LA. (STA. 4915012D.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1945 TO 1950, 1957 AND 1961. DAILY DURING HIGH WATER, JAN. 1966 TO 1969 AND FEB. 23, 1973 TO 1979. DAILY 1980 TO DATE.

EXTREMES. HIGHEST, 23.05 FEET ON MAY 26, 1973. LOWEST, MINUS 0.12 FOOT ON DEC. 24, 1989.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	4.17	13.35	16.98		13.02	15.60	15.00		5.40	4.09	5.80	3.95
2	4.58	13.45	16.83 F	15.90	12.95	15.73	14.79		5.55	4.10	5.80	4.15
3	4.98	13.57	16.72	15.85	12.93	15.85	14.50		5.60	3.90 F	5.80	5.20
4	5.48	13.79	16.64	15.84	12.83	15.93	14.05		5.70	3.94	6.12	4.45
5	5.97	13.95	16.64	15.75	12.97	16.01	13.91		5.40	3.65	6.15	4.35
6	6.60	14.11	16.73	15.53	12.94	16.17	13.61		5.45	3.80		4.55
7	7.40	14.26	16.77	15.55	13.05	16.30	13.52		5.50	3.80		4.67
8	8.02	14.44	16.75	15.45	12.87	16.33	13.30		5.36	3.70		5.15
9	9.88	14.64	16.85	15.40	13.14	16.40	13.15		5.30	4.25		5.00
10	10.07	14.85	17.05	15.10	13.15	16.45	12.90		5.27	3.30	F	5.40
11	10.23	15.10	17.10	14.97	13.20	16.55	12.60		5.02	2.87		
12	10.44	15.09	16.80	14.85	13.38	16.57	12.36		4.94			
13	10.64	15.35	16.75	14.67	13.55	16.67	12.05		5.10			
14	10.72	15.39	16.51	14.34	13.67	16.72	11.74				F	4.15
15	10.68	15.60	16.39	14.22	13.83	16.74	11.48					4.05
16	10.67	15.67	16.27	14.16	14.00	16.74	11.10					3.85
17	10.63	15.95		13.99	14.11	16.75	10.74				F	3.90
18	10.48	16.09		13.62	14.26	16.75	10.53					3.80
19	10.58	16.40		13.61	14.28	16.70	10.30	F	4.80			6.70
20	10.59	16.54		13.39	14.35	16.69	10.12		4.60			6.60
21	10.87	16.58		13.35	14.44	16.62	9.92		4.30		4.30	6.50
22	11.02	16.69		13.16	14.45	16.42	9.76		4.30		4.40	6.80
23	11.09	16.89		13.13	14.53	16.30	9.60		4.12		4.45	7.75
24	11.23	17.00		13.10	14.65	16.37			3.66		4.30	8.40
25	11.78	16.99		13.12	14.75	16.27			3.63		4.35	8.57
26	12.19	16.99		13.08	14.96	16.12			3.85		4.40	8.95
27	12.32	16.95		13.01	15.02	15.94	F	4.60	3.92		4.25	9.25
28	12.44	16.96		13.20	14.97	15.70		4.75	4.17		4.20	10.10
29	12.77	-----		13.10	15.25	15.46		5.25	3.80 F	5.45	3.95	10.70
30	13.04	-----		13.00	15.39	15.18		4.86	3.89	5.55	3.40	11.10
31	13.19	-----	-----	-----	15.40	-----		5.15	-----	5.80	-----	11.38

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	9.83	15.45	16.74	14.26	13.94	16.27	12.22	4.92	4.75	4.16	4.52	6.94
MAX	13.19	17.00	17.10	15.90	15.40	16.75	15.00	5.25	5.70	5.80	6.15	11.38
MIN	4.17	13.35	16.27	13.00	12.83	15.18	9.60	4.60	3.63	2.87	3.40	3.95
DAYS	31	28	16	29	31	30	23	5	25	14	22	23

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 277

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 11.12.

HIGHEST STAGE WAS 17.20 AT 8:00 P.M. ON FEB 23.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 2.69 ON OCT 11.



## DAILY STAGE FOR 1990

WABPL (FWS) AT LOWER GRAND BAYOU (LA.)

LOCATION. LAT. 30-04-30, LONG. 91-37-13. ON RIGHT BANK OF LOWER GRAND BAYOU AT TEXACO OIL COMPANY DOCK AT DAUTERIVE LANDING, LA. (STA. 4919512D.)

GAGE. STAFF TYPE.

GENERAL INFORMATION. PRIOR TO 1973 GAGE ZERO WAS MINUS 0.45 FOOT, NGVD

RECORDS AVAILABLE. INTERMITTENTLY, 1933 TO 1943. DAILY, JUNE 1, 1944 TO DATE.

EXTREMES. HIGHEST, 21.20 FEET ON MAY 22 AND LATER DATES IN 1973. LOWEST, MINUS 0.35 FOOT ON JAN. 21, 1981.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3.2	9.3	13.9	12.9	10.6	13.8	12.0	6.7	4.9	3.4	4.9	
2	3.4	9.4	13.9	13.0	10.6	13.9	11.8	6.6	4.9	3.4	4.8	4.1
3	3.4	9.5	14.0	13.0	10.6	14.0	11.6	6.5	5.0	3.5	4.8	4.1
4	3.3	9.6	14.1	12.9	10.7	14.1	11.3	6.3	5.0	3.5		4.2
5	3.4	9.7	14.2	12.9	10.6	14.2	11.0	6.2	4.9	3.6		4.2
6	3.5	9.9	14.1	12.8	10.6	14.2	10.7	6.1	4.8	3.6		4.3
7	3.6	10.1	14.2	12.8	10.7	14.3	10.5	5.9	4.8	3.6		4.3
8	3.8	10.2	14.1	12.6	10.7	14.4	10.3	5.8	4.8	3.5		4.4
9	4.0	10.4	14.1	12.4	10.8	14.4	10.1	5.7	4.7	3.4		4.5
10	4.4	10.5	14.0	12.2	10.9	14.5	9.9	5.6	4.7	3.4		4.7
11	4.8	10.9	13.9	12.1	11.0	14.5	9.7	5.5	4.5	3.3		4.8
12	5.3	11.2	13.8	11.9	11.2	14.6	9.6	5.5	4.4	3.2		5.0
13	5.5	11.4	13.7	11.8	11.4	14.6	9.3	5.4	4.3	3.2		5.2
14	5.8	11.7	13.7	11.6	11.7	14.6	9.1	5.4	4.1	3.6		5.5
15	6.1	11.8	13.6	11.5	12.0	14.6	8.9	5.5	4.0	4.2		5.7
16	6.3	12.0	13.5	11.3	12.1	14.5	8.6	5.4	4.0	4.2		5.8
17	6.4	12.2	13.2	11.2	12.2	14.3	8.3	5.3	4.1	4.0		5.9
18	6.5	12.4	13.1	11.0	12.3	14.1	8.1	5.3	4.3	4.1		6.0
19	6.7	12.5	12.9	10.9	12.5	14.0	7.8	5.2	4.4	4.2		5.9
20	6.9	12.7	12.7	10.8	12.5	13.8	7.5	5.0	4.2	4.4		5.7
21	7.0	12.9	12.6	10.7	12.5	13.6	7.3	5.0	4.0	4.6		5.5
22	7.1	13.1	12.5	10.6	12.4	13.5	7.2	4.8	3.9	4.8		5.4
23	7.2	13.3	12.6	10.6	12.5	13.4	7.1	4.6	3.7	5.0		5.7
24	7.4	13.5	12.6	10.5	12.6	13.4	7.1	4.4	3.5	5.0		6.2
25	7.6	13.6	12.6	10.6	12.8	13.3	7.0	4.3	3.4	5.1		6.7
26	7.8	13.7	12.5	10.5	12.9	13.2	7.1	4.3	3.4	5.0		7.1
27	8.0	13.8	12.6	10.5	13.0	12.9	7.1	4.3	3.3	4.4		7.6
28	8.3	13.8	12.6	10.4	13.2	12.6	7.0	4.4	3.3	4.9		8.2
29	8.6	-----	12.7	10.6	13.3	12.4	6.9	4.4	3.2	4.8		8.6
30	8.8	-----	12.8	10.6	13.4	12.2	6.8	4.6	3.3	4.7		8.8
31	9.1	-----	12.9	-----	13.6	-----	6.7	4.7	-----	4.9	-----	9.0

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	5.9	11.6	13.3	11.6	11.9	13.9	8.8	5.3	4.2	4.1	4.8	5.8
MAX	9.1	13.8	14.2	13.0	13.6	14.6	12.0	6.7	5.0	5.1	4.9	9.0
MIN	3.2	9.3	12.5	10.4	10.6	12.2	6.7	4.3	3.2	3.2	4.8	4.1
DAYS	31	28	31	30	31	30	31	31	30	31	3	30

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 337

THE MEAN STAGE FOR THE YEAR WAS 8.7.

HIGHEST STAGE WAS 14.6 ON JUN 12 AND LATER DATE(S).

LOWEST STAGE WAS 3.2 ON JAN 1 AND LATER DATE(S).

## DAILY STAGE FOR 1990

ARM OF GRAND LAKE NEAR CROOK CHENE COVE (LA.)

LOCATION. LAT. 30-04-35, LONG. 91-31-33. ON TOWER IN CANAL EIGHT MILES WEST OF GRAND LAKE.  
(STA. 4919712D.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. DAILY, JAN. 23, 1976 TO MAY 27, 1976 AND MAR. 17, 1977 TO DATE.

EXTREMES. HIGHEST, 17.26 FEET ON JUN. 4, 1983. LOWEST, 3.81 FEET ON NOV. 3 AND 4, 1983.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1			14.44	13.78	11.43	14.43	12.98	8.10	6.34	6.24	7.14	15.84
2			14.59	13.80	11.43	14.59	12.77	8.04	6.33	6.20	7.30	15.88
3			14.63	13.80	11.43	14.74	12.61	7.97	6.34	6.19	7.46	15.92
4			14.66	13.79	11.46	14.81	12.37	7.94	6.34	6.19	7.76	15.94
5			14.69	13.69	11.47	14.89	12.08	7.87	6.34	6.19	8.16	16.00
6			14.74	13.64	11.47	14.96	11.86	7.81	6.34	6.18	8.75	15.96
7		F	10.57	14.76	13.51	11.45	15.07	7.74	6.33	6.16	9.29	15.93
8			10.72	14.79	13.34	11.44	15.12	7.64	6.33	6.16	9.85	15.78
9			11.06	14.79	13.19	11.56	15.15	7.55	6.34	6.15	10.48	15.57
10			11.29	14.68	13.11	11.61	15.23	7.45	6.33	6.15	10.96	15.34
11			11.50	14.57	13.00	11.64	15.26	7.35	6.34	6.15	11.35	15.12
12			11.67	14.54	12.83	11.79	15.29	7.26	6.41	6.15	11.86	14.95
13			11.89	14.48	12.64	12.01	15.30	7.15	6.46	6.15	12.43	14.82
14			12.15	14.31	12.50	12.28	15.31	7.08	6.35	6.15	12.89	
15			12.45	14.17	12.37	12.49	15.31	7.01	6.29	6.15	13.19	
16			12.70	14.10	12.20	12.77	15.30	6.94	6.16	6.15	13.59	
17			12.88	13.90	12.08	13.01	15.26	6.89	5.82	6.16	14.04	
18			13.14	13.70	11.92	13.15	15.21	6.86	5.77	6.16	14.50	
19			13.47	13.61	11.79	13.24	15.10	6.85	5.75	6.16	14.65	
20			13.61	13.48	11.64	13.28	14.97	6.81	6.36	6.17	14.77	
21			13.76	13.38	11.54	13.34	14.79	6.78	6.34	6.18	14.92	
22			13.98	13.32	11.46	13.37	14.77	6.70	6.34	6.34	15.11	
23			14.07	13.29	11.35	13.37	14.69	6.66	6.33	6.43	15.22	
24			14.14	13.27	11.29	13.40	14.48	6.61	6.33	6.53	15.25	
25			14.17	13.27	11.28	13.44	14.27	6.58	6.31	6.63	15.32	
26			14.24	13.27	11.30	13.53	14.07	6.53	6.30	6.76	15.46	
27			14.30	13.26	11.36	13.66	13.92	6.46	6.29	6.83	15.51	
28			14.38	13.32	11.43	13.78	13.67	6.41	6.28	6.86	15.58	
29			-----	13.44	11.42	13.94	13.43	6.36	6.27	6.93	15.64	
30			-----	13.77	11.43	14.08	13.17	6.34	6.26	6.96	15.66	
31			-----	13.79	-----	14.26	-----	6.34	-----	7.04	-----	

THE FOLLOWING REFFR ONLY TO READINGS IN THE TABLE ABOVE

MEAN		12.82	14.03	12.42	12.60	14.75	10.08	7.10	6.27	6.35	12.47	15.62
MAX		14.38	14.79	13.80	14.26	15.31	12.98	8.10	6.46	7.04	15.66	16.00
MIN		10.57	13.26	11.28	11.43	13.17	8.12	6.34	5.75	6.15	7.14	14.82
DAYS	0	22	31	30	31	30	31	31	30	31	30	13

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 310

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 11.02.

HIGHEST STAGE WAS 16.00 AT 8:00 P.M. ON DEC 4 AND LATER DATE(S).

LOWEST STAGE WAS 5.73 ON SEP 19.

## DAILY STAGE FOR 1990

## BUFFALO COVE AT ROUND ISLAND (LA.)

LOCATION. LAT. 29-59-00, LONG. 91-31-30. ON SOUTHEAST SIDE OF ROUND ISLAND. (STA. 4923513.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. FEB. 26, 1976 TO DATE.

EXTREMES. HIGHEST, 14.98 FEET ON JUN. 3, 1983. LOWEST, (FROM INCOMPLETE RECORD) 0.11 FOOT ON OCT. 17 AND 18, 1976.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.90	8.08	12.52	11.93	9.67	12.51	11.06	6.26	4.28	3.46	4.40	3.50
2	2.94	8.21	12.66	11.96	9.67	12.65	10.89	6.18	4.42	3.52	4.49	3.70
3	2.75	8.33	12.69	11.96	9.69	12.79	10.70	6.11	4.52	3.54	4.56	4.36
4	2.47	8.47	12.74	11.91	9.71	12.85	10.45	6.10	4.60	3.52	4.76	4.10
5	2.66	8.52	12.78	11.86	9.74	12.92	10.19	6.03	4.54	3.35	4.86	3.91
6	3.07	8.66	12.80	11.75	9.72	13.02	9.94	5.94	4.47	3.32	4.73	3.99
7	3.34	8.85	12.81	11.63	9.69	13.10	9.71	5.80	4.50	3.41	4.65	4.14
8	3.41	9.06	12.84	11.47	9.67	13.14	9.55	5.59	4.46	3.35	4.50	4.04
9	3.62	9.37	12.84	11.36	9.81	13.17	9.44	5.44	4.41	3.40	4.72	4.13
10	3.86	9.62	12.74	11.24	9.89	13.23	9.30	5.26	4.39	3.08	4.37	4.26
11	4.19	9.82	12.64	11.14	9.94	13.26	9.11	5.19	4.35	2.57	4.07	4.32
12	4.63	9.96	12.63	10.96	10.08	13.30	8.85	5.17	4.36	2.93	4.01	4.48
13	4.91	10.18	12.56	10.82	10.30	13.30	8.64	5.11	4.37	2.94	3.84	4.73
14	5.14	10.44	12.40	10.66	10.55	13.31	8.38	5.07	4.30	3.26	3.78	4.90
15	5.29	10.67	12.30	10.55	10.75	13.32	8.13	5.04	4.24	3.68	3.69	5.06
16	5.42	10.93	12.21	10.41	11.00	13.29	7.93	4.98	4.16	3.80	3.63	5.20
17	5.54	11.11	12.03	10.28	11.24	13.24	7.75	4.96	4.13	3.84	3.60	5.26
18	5.64	11.33	11.86	10.14	11.38	13.19	7.56	5.00	4.09	3.95	3.55	5.33
19	5.84	11.64	11.75	9.97	11.44	13.07	7.36	4.99	4.04	3.87	3.65	5.34
20	5.98	11.76	11.64	9.86	11.47	12.96	7.15	4.92	3.97	4.12	3.65	5.27
21	6.24	11.89	11.54	9.76	11.54	12.80	7.01	4.82	3.86	4.30	3.80	5.24
22	6.41	12.10	11.47	9.68	11.57	12.73	6.90	4.68	3.82	4.51	3.87	5.32
23	6.45	12.19	11.44	9.59	11.58	12.63	6.83	4.52	3.60	4.40	3.89	5.62
24	6.46	12.25	11.43	9.53	11.60	12.46	6.70	4.37	3.27	4.41	3.84	5.86
25	6.84	12.31	11.44	9.53	11.64	12.31	6.66	4.23	3.34	4.39	3.88	6.12
26	7.08	12.34	11.43	9.57	11.74	12.09	6.53	4.11	3.36	4.24	3.89	6.30
27	7.34	12.40	11.43	9.63	11.85	11.94	6.45	4.00	3.36	4.39	3.85	6.53
28	7.49	12.46	11.50	9.66	11.96	11.70	6.44	4.02	3.34	4.46	3.88	7.10
29	7.70	-----	11.63	9.65	12.09	11.49	6.43	4.07	3.31	4.42	3.65	7.55
30	7.83	-----	11.92	9.67	12.29	11.26	6.39	4.04	3.33	4.38	3.23	7.94
31	7.95	-----	11.94	-----	12.36	-----	6.34	4.14	-----	4.32	-----	8.24

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	5.21	10.46	12.15	10.60	10.83	12.77	8.22	5.04	4.04	3.78	4.04	5.22
MAX	7.95	12.46	12.84	11.96	12.36	13.32	11.06	6.26	4.60	4.51	4.86	8.24
MIN	2.47	8.08	11.43	9.53	9.67	11.26	6.34	4.00	3.27	2.57	3.23	3.50
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 7.67.

HIGHEST STAGE WAS 13.32 AT 10:00 P.M. ON JUN 14 AND LATER DATE(S).

LOWEST STAGE WAS 2.45 ON JAN 4.

## DAILY STAGE FOR 1990

BAYOU FORDOCHE NEAR KROTZ SPRINGS, LA.

LOCATION. LAT. 30-29-10, LONG. 91-48-40. ON BRIDGE (IN OIL AND GAS FIELD) BELOW JUNCTION WITH BAYOU COURTABLEAU, FIVE MILES SOUTHWEST OF KROTZ SPRINGS, LA. (STA. 49255120.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JAN. 13, 1954 TO DATE.

EXTREMES. HIGHEST, 23.28 FEET ON MAY 27, 1973. LOWEST, (FROM INCOMPLETE RECORD) 9.90 FEET ON SEP. 14, 1979.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	17.50	18.93	19.19	17.19	14.50	16.68	16.75	13.50		12.30		
2	17.55	18.95	19.32	17.21	14.45	16.79	16.55	13.52				
3	17.46	18.95	19.35	17.28	14.41	16.88	16.40	13.50				12.70
4	17.51	19.02	19.40	17.25	14.41	16.98	16.23	13.48	F 12.70			13.93
5	17.64	19.00	19.39	17.20	14.40	17.04	16.03	13.42			F 11.96	14.01
6	18.03	18.98	19.35	17.18	14.39	17.12	15.83	13.41				14.13
7	18.21	18.95	19.30	17.10	14.36	17.21	15.61	13.40				14.50
8	18.24	18.95	19.21	17.03	14.32	17.28	15.39	13.38				14.12
9	18.20	18.99	19.12	16.74	14.49	17.39	15.20	13.33		F 12.10		13.90
10	18.17	19.10	19.03	16.85	14.50	17.47	15.01	13.31	12.55			13.80
11	18.10	19.10	18.93	16.80	16.31	17.55	14.83	13.29				14.63
12	18.05	19.09	18.82	16.65	15.88	17.60	14.62	13.28				14.43
13	17.95	19.00	18.78	16.53	15.78	17.69	14.59	13.27			11.94	14.05
14	17.77	18.95	18.65	16.41	15.65	17.72	14.30					13.88
15	17.52	18.91	18.58	16.30	15.52	17.78	14.11			12.00		13.75
16	17.39	18.98	18.47	16.17	15.45	17.80	13.99					13.69
17	17.23	19.01	18.39	16.02	15.38	17.81	13.88		12.50			13.65
18	17.10	19.01	18.29	15.87	15.39	17.83	13.79					13.60
19	17.25	19.11	18.17	15.71	15.45	17.83	13.69				F 11.90	13.62
20	17.65	19.12	18.06	15.58	15.53	17.82	13.61	F 13.12				13.60
21	17.81	19.11	17.94	15.42	15.62	17.80	13.57					13.60
22	17.90	19.21	17.81	15.28	15.70	17.77	13.53			F 12.05		13.65
23	17.95	19.28	17.68	15.12	15.77	17.71	13.50					13.68
24	18.10	19.30	17.55	14.98	15.83	17.65	13.50					13.63
25	18.48	19.30	17.43	14.83	15.88	17.58	13.53		F 12.38			15.74
26	18.52	19.30	17.33	14.71	15.95	17.49	13.52				F 11.90	16.22
27	18.60	19.25	17.22	14.69	16.01	17.38	13.50	F 13.00				16.39
28	18.68	19.22	17.18	14.63	16.20	17.23	13.49					16.42
29	18.85	-----	17.12	14.58	16.31	17.09	13.70			11.98		15.97
30	18.87	-----	17.21	14.55	16.41	16.90	13.68					15.69
31	18.89	-----	17.20	-----	16.51	-----	13.57		-----		-----	15.50

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	17.97	19.07	18.37	16.07	15.38	17.43	14.50	13.35	12.53	12.09	11.92	14.36
MAX	18.89	19.30	19.40	17.28	16.51	17.83	16.75	13.52	12.70	12.30	11.96	16.42
MIN	17.10	18.91	17.12	14.55	14.32	16.68	13.49	13.00	12.38	11.98	11.90	12.70
DAYS	31	28	31	30	31	30	31	15	4	5	4	29

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 269

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 16.23.

HIGHEST STAGE WAS 19.40 AT 8:00 A.M. ON MAR 4.

LOWEST STAGE WAS NOT DETERMINED.

## DAILY STAGE FOR 1990

ALABAMA BAYOU (FWS) AT SHERBURNE, LA.

LOCATION. LAT. 30-42-40, LONG. 91-30-56. ON LEFT BANK AT HEAD. (STA. 4940012B.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JAN. 1972 TO DATE.

EXTREMES. HIGHEST, 29.40 FEET ON MAY 24, 1973. LOWEST, (FROM INCOMPLETE RECORD) 10.19 FEET ON JUN. 9, 1988.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	16.26	17.75	16.60	14.79	11.42	14.40	12.66	10.93	11.53			
2	16.37	17.67	16.72	14.79	11.36	14.96	12.53	10.93	11.52			
3	16.48	17.57	16.73	14.99	11.34	15.20	12.39	10.93	11.54			10.99
4	16.82	17.58	16.73	15.15	11.29	15.15	12.28	10.92	11.49 F	10.92		11.64
5	17.11	17.44	16.71	15.11	11.21	14.90	12.15	10.92	11.44			12.60
6	17.23	17.34	16.67	15.00	11.12	14.64	12.02	10.93	11.36			13.05
7	17.33	17.26	16.63	14.89	11.09	14.36	11.87	10.94	11.28			13.19
8	17.36	17.17	16.55	14.74	11.06	14.11	11.73	10.94	11.16			13.15
9	17.36	17.15	16.46	14.54	11.16	13.89	11.64	10.94	11.05			13.03
10	17.32	17.21	16.39	14.30	11.39	13.75	11.50	10.95	10.96			12.84
11	17.30	17.21	16.30	14.14	12.01	13.70	11.38	10.94 F	10.92			12.62
12	17.23	17.18	16.20	13.96	12.26	13.78	11.26	10.94				12.40
13	17.15	17.14	16.11	13.78	12.21	13.80	11.19	10.94				12.16
14	17.06	17.08	16.02	13.58	12.06	13.75	11.06	10.94				11.95
15	16.85	17.03	15.94	13.44	11.88	13.70	10.96	10.94				11.74
16	16.73	17.04	15.91	13.34	11.79	13.68	10.95	10.94				11.55
17	16.61	17.02	15.93	13.22	11.77	13.67	10.94	10.94				11.36
18	16.53	16.98	15.94	13.09	11.76	13.65	10.94	10.94 F	10.32			11.24
19	16.63	17.05	15.90	12.96	11.70	13.64	10.94	10.94				11.09
20	16.65	17.05	15.84	12.84	11.64	13.61	10.94	10.94				11.02
21	16.72	17.03	15.74	12.66	11.57	13.56	10.94	11.04				
22	16.74	17.07	15.61	12.48	11.55	13.51	10.94	11.25				11.27
23	16.76	17.03	15.44	12.28	11.55	13.46	10.94	11.23				11.07
24	17.05	16.98	15.25	12.10	11.59	13.42	10.94	11.28				11.20
25	17.55	16.93	15.05	11.87	11.64	13.34	10.94	11.33				11.25
26	17.57	16.86	14.86	11.73	11.69	13.23	10.94	11.37				11.25
27	17.62	16.77	14.63	11.65	11.74	13.12	10.94	11.41				11.22
28	17.67	16.69	14.40	11.64	11.89	13.06	10.93	11.45				11.16
29	17.87	-----	14.23	11.56	12.65	12.94	10.93	11.50				11.10
30	17.87	-----	14.34	11.50	13.78	12.81	10.93	11.52		F 9.48		11.06
31	17.80	-----	14.66	-----	14.21	-----	10.93	11.53	-----	-----	-----	10.99

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	17.08	17.15	15.82	13.40	11.79	13.83	11.34	11.09	11.21	10.92	9.48	11.76
MAX	17.87	17.75	16.73	15.15	14.21	15.20	12.66	11.53	11.54	10.92	9.48	13.19
MIN	16.26	16.69	14.23	11.50	11.06	12.81	10.93	10.92	10.32	10.92	9.48	10.99
DAYS	31	28	31	30	31	30	31	31	12	1	1	28

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 285

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 13.55.

HIGHEST STAGE WAS 17.87 AT 8:00 A.M. ON JAN 29 AND LATER DATE(S).

LOWEST STAGE WAS NOT DETERMINED.

## DAILY STAGE FOR 1990

## UPPER GRAND RIVER AT LITTLE TENSAS BAYOU (LA.)

LOCATION. LAT. 30-14-23, LONG. 91-31-35. ON TOWER (RIGHT BANK) OF LITTLE TENSAS BAYOU,  
ABOUT 300 FEET SOUTH OF JUNCTION WITH UPPER GRAND RIVER. (STA. 4944012D.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JAN. 1971 TO DATE.

EXTREMES. HIGHEST, 23.62 FEET ON MAY 23, 1973. LOWEST, (FROM INCOMPLETE RECORD) 1.10 FEET ON  
OCT. 9, 1976.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		11.28	16.00	15.25	12.80	15.90		8.15	5.90		6.09	4.83
2		11.37	16.15	15.25	12.82	16.10		7.96	6.11		6.02	5.05
3		11.53	16.20	15.25	12.85	16.20		7.90	6.17		6.26	5.84
4		11.75	16.25	15.20	12.90	16.30		7.95	6.28			5.41
5		11.85	16.30	15.10	12.90	16.40		7.82	5.97	F	6.45	5.29
6		12.05	16.25	15.00	12.85	16.50		7.63	5.99		6.30	5.42
7		12.27	16.30	14.78	12.82	16.50		7.36	6.05		6.20	5.55
8		12.45	16.30	14.63	12.80	16.60		7.00	5.91		5.90	5.49
9	F	5.11	12.70	16.25	14.55	13.05		6.82	5.91		6.23	5.74
10		5.56	13.19	16.10	14.37	13.15		6.56	5.89	F	5.60	5.96
11		6.14	13.25	16.00	14.23	13.45		6.63	5.80	3.78	5.25	6.00
12		6.85	13.40	16.00	14.05	13.53		6.63	5.75	4.24	5.26	6.35
13		7.30	13.75	15.85	13.90	13.75		6.56	5.80	4.23	5.03	6.80
14		7.62	13.95	15.65	13.67	13.95		6.54	5.53	4.74	4.96	7.05
15		7.74	14.20	15.55	13.60	14.27		6.53		F	4.83	7.30
16		7.95	14.40	15.45	13.45	14.45		6.45		5.25	4.80	7.45
17		7.95	14.60	15.25	13.30	14.65		6.49		5.34	4.78	7.40
18		8.07	14.80	15.10	13.15	14.70	F	6.55		5.49	4.74	7.49
19		8.57	15.05	15.10	13.05	14.70	9.52	6.49		5.38	4.89	7.31
20		8.59	15.15	14.95	12.93	14.80	8.98	6.36		5.81	4.94	7.16
21		9.17	15.30	14.83	12.85	14.85	8.88	6.20	F	6.20	5.15	7.10
22		9.30	15.50	14.75	12.73	14.85	8.80	5.99	F	6.24	5.24	7.45
23		9.05	15.55	14.75	12.60	14.85	8.70	5.71		6.05	5.20	8.15
24		9.05	15.70	14.80	12.65	14.90	8.40	5.58		6.14	5.21	8.66
25		9.90	15.75	14.80	12.73	14.95	8.55	5.44		6.02	5.29	8.83
26	10.27	15.80	14.75	12.72	15.15		8.35	5.29		5.88	5.30	9.12
27	10.50	15.90	14.80	12.75	15.25		8.45	5.23		6.20	5.14	9.55
28	10.63	15.95	14.90	12.80	15.35		8.47	5.35		6.20	5.14	10.75
29	10.82	-----	15.00	12.80	15.50		8.47	5.43		6.06	4.89	11.30
30	11.00	-----	15.20	12.85	15.65		8.39	5.46		5.90	4.34	11.65
31	11.15	-----	15.25	-----	15.75	-----	8.24	5.70	-----	5.85	-----	11.95

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	8.62	13.87	15.51	13.74	14.14	16.51	8.67	6.51	5.93	5.47	5.36	7.40
MAX	11.15	15.95	16.30	15.25	15.75	16.76	9.52	8.15	6.28	6.24	6.45	11.95
MIN	5.11	11.28	14.75	12.60	12.80	15.90	8.24	5.23	5.53	3.78	4.34	4.83
DAYS	23	28	31	30	31	19	14	31	14	22	29	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 303

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 10.37.

HIGHEST STAGE WAS 16.76 AT 8:00 A.M. ON JUN 13.

LOWEST STAGE WAS 3.68 ON OCT 11.



## DAILY STAGE FOR 1990

EABPL BORROW PIT (FWS) AT RAMAH, LA. (ABOVE INTERSTATE 10)

LOCATION. LAT. 30-24-05, LONG. 91-30-47. ABOVE 800 FEET NORTH OF INTERSTATE 10 OVERPASS.  
(STA. 49525120.)

GAGE. STAFF TYPE.

GENERAL INFORMATION. GAGE HAS BEEN KNOWN AS EABPL BORROW PIT (FWS) AT RAMAH, LA. (ABOVE RAILROAD FILL).

RECORDS AVAILABLE. INTERMITTENTLY 1955 TO 1957 AND 1959 TO DATE.

STAGE IN FEET											
GAGE ZERO IS AT NGVD (1983 ADJ.)											
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	DEC
1					10.60					8.60	
2				12.45			12.20				
3	10.55										8.80
4						12.75			8.94		
5											
6		11.43						9.60			8.32
7					10.41						
8				12.27						8.48	
9	10.89						10.88		8.83		9.32
10											
11						13.48					
12								9.38			8.42
13		11.89	13.40								
14					10.79						
15											
16	10.43						10.22			8.29	
17				11.55							
18									8.82		9.33
19										8.23	
20											
21		12.64	12.72			13.55		9.28			
22					11.52					8.46	
23	10.51						9.90				
24				10.84							9.40
25									8.71		
26						13.05					8.20
27		13.09						9.05			
28											
29		-----									
30	11.32	-----			12.10	-----	9.79		-----	8.34	-----
31				-----							9.43



## DAILY STAGE FOR 1990

EABPL BORROW PIT (FWS) NEAR RAMAH, LA. (BELOW INTERSTATE 10)

LOCATION. LAT. 30-22-10, LONG. 91-31-10. APPROXIMATELY 2-1/2 MILES SOUTH OF INTERSTATE 10.  
(STA. 4954212D.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE, DAILY, AUG. 8, 1987 TO DATE. FOR RECORDS PRIOR TO 1988 REFER TO GAGE AT  
EABPL BORROW PIT (FWS) AT RAMAH, LA. (STA. 4954012D.)EXTREMES. (FROM 1971 TO DATE) HIGHEST, 19.68 FEET ON APR. 21, 1975. LOWEST, 0.90 FOOT ON JAN. 19,  
1981.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		10.62	13.24	12.49	10.47	12.39	12.44	6.23	4.10	2.94		
2		10.71	13.41	12.47	10.43	12.52	12.27	6.09	4.20	2.99		
3		10.76	13.45	12.51	10.42	12.63	12.12	5.99	4.22	3.05		
4		10.91	13.48	12.49	10.39	12.75	11.93	5.98	4.35	3.11		
5		10.98	13.51	12.49	10.40	12.86	11.73	5.84	4.28	3.16		
6		11.00	13.53	12.47	10.37	12.98	11.53	5.74	4.14	3.12		
7		11.07	13.56	12.43	10.38	13.12	11.32	5.54	4.23	3.14		
8		11.10	13.57	12.36	10.34	13.18	11.14	5.23	4.15	3.12		
9		11.24	13.59	12.27	10.46	13.27	10.99	5.09	4.16	3.12		
10		11.42	13.59	12.21	10.47	13.35	10.82	4.89	4.07	3.12		
11		11.52	13.54	12.17	10.48	13.43	10.64	4.82	3.99	3.13		
12		11.58	13.49	12.05	10.51	13.49	10.46	4.83	3.97	3.14		
13		11.67	13.46	11.96	10.59	13.57	10.28	4.76	4.00	3.13		
14		11.71	13.38	11.84	10.67	13.61	10.02	4.73	3.92	3.13		
15		11.88	13.34	11.75	10.79	13.64	9.76	4.81	3.91	3.15		
16		12.02	13.29	11.64	10.94	13.65	9.51	4.88	3.84	3.15		
17		12.11	13.21	11.54	11.08	13.67	9.25	4.96	3.82	3.15		
18		12.22	13.08	11.42	11.18	13.66	8.95	5.05	3.79	3.15		
19		12.47	12.98	11.30	11.31	13.66	8.50	5.07	3.73	3.16		
20		12.58	12.89	11.17	11.39	13.61	8.02	5.27	3.63	3.15		
21		12.63	12.77	11.08	11.47	13.53	7.68	5.46	3.55	3.14		
22		12.85	12.66	10.97	11.53	13.49	7.40	5.76	3.50	3.17		
23		12.92	12.60	10.85	11.59	13.48	7.22	5.46	3.28	3.15		
24		13.00	12.51	10.73	11.65	13.37	7.05	5.23	3.02	3.16		
25		13.06	12.44	10.66	11.69	13.25	7.00	4.73	2.94			
26		13.11	12.39	10.60	11.74	13.13	6.72	4.13	2.94			
27		13.14	12.33	10.58	11.82	13.01	6.61	3.72	2.94			
28		13.21	12.30	10.58	11.95	12.91	6.54	4.06	2.94			
29		-----	12.32	10.53	12.06	12.77	6.57	4.45	2.94			
30		-----	12.45	10.51	12.13	12.61	6.47	4.73	2.94			
31	10.52	-----	12.46	-----	12.25	-----	6.34	4.97	-----			

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	10.52	11.91	13.06	11.60	11.06	13.22	9.27	5.11	3.72	3.12		
MAX	10.52	13.21	13.59	12.51	12.25	13.67	12.44	6.23	4.35	3.17		
MIN	10.52	10.62	12.30	10.51	10.34	12.39	6.34	3.72	2.94	2.94		
DAYS	1	28	31	30	31	30	31	31	30	24	0	0

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 267

THE MEAN STAGE FOR THE YEAR WAS 9.25.

HIGHEST STAGE WAS 13.70 AT 9:00 P.M. ON JUN 16.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 2.83 ON SEP 29.

## DAILY STAGE FOR 1990

## UPPER GRAND RIVER (FWS) AT DIKE (LA.)

LOCATION. LAT. 30-13-33, LONG. 91-25-24. ABOUT 0.6 MILE BELOW JUNCTION WITH BAYOU MARINGOUIN (EABPL BORROW PIT). (STA. 4957009.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. GAGE WAS KNOWN AS GRAND RIVER CROSSING R. S. IN 1933.

RECORDS AVAILABLE. INTERMITTENTLY, 1933 TO 1946, 1949 TO 1950, AND 1963 TO 1965. DAILY, JUNE 28, 1954 TO APR. 6, 1963, AND DEC. 16, 1965 TO DATE.

EXTREMES. HIGHEST, 19.5 FEET FROM MAR. 4 TO 9, 1950. LOWEST, (FROM INCOMPLETE RECORD) 0.50 FOOT ON JAN. 12, 1981.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		8.85	12.73	12.09	10.08	12.54	11.78	6.48	4.68	4.10	4.35	3.49
2		8.99	12.88	12.10	10.08	12.49	11.65	6.42	4.81	4.07	4.37	3.69
3		9.12	12.92	12.11	10.07	12.54	11.41	6.20	4.84	3.62	4.51	4.46
4		9.32	12.95	12.09	10.07	12.69	11.21	6.19	5.00	3.63	4.75	4.16
5		9.39	12.97	12.04	10.11	12.74	11.02	6.08	4.95	3.93	4.90	4.01
6	3.32	9.56	12.99	11.99	10.07	12.81	10.81	6.01	4.85	4.19	4.63	4.07
7	3.61	9.72	13.00	11.93	10.05	12.89	10.62	6.25	4.82	3.92	4.55	4.19
8	3.89	9.87	13.02	11.84	10.03	12.99	10.45	6.09	4.59	3.76	4.37	4.14
9	4.04	10.11	13.02	11.76	10.15	13.03	10.30	5.98	4.61	3.75	4.54	4.27
10	4.32	10.37	12.99	11.66	10.22	13.13	10.09	5.81	4.59	4.97	4.28	4.41
11	4.61	10.51	12.96	11.61	10.26	13.22	9.92	5.72	4.83	5.35	3.95	4.42
12	5.08	10.64	12.92	11.48	10.38	13.23	9.76	5.45	4.78	5.00	3.89	4.57
13	5.40	10.81	12.86	11.36	10.52	13.21	9.49	5.37	4.72	4.86	3.70	4.86
14	5.64	10.98	12.75	11.22	10.63	13.23	9.25	5.37	4.56	4.75	3.62	5.07
15	5.74	11.18	12.70	11.14	10.80	13.25	8.99	5.22	4.44	4.88	3.52	5.22
16	5.85	11.36	12.66	11.03	10.96	13.25		5.13	4.40	4.93	3.49	5.37
17	5.94	11.50	12.53	10.88	11.20	13.24		5.07	4.38	4.67	3.48	5.40
18	5.98	11.65	12.43	10.75	11.24	13.22	8.27	4.97	4.43	4.70	3.41	5.47
19	6.26	11.92	12.33	10.62	11.24	13.18	7.87	4.99	4.21	5.66	3.55	
20	6.38	12.01	12.23	10.49	11.31	13.12	7.88	5.00	4.11	5.74	3.58	
21	6.67	12.11	12.13	10.40	11.37	13.05	7.41	5.10	4.05	5.11	3.72	
22	6.82	12.30	12.05	10.30	11.42	13.00	7.23	4.85	3.91	5.60	3.80	
23	6.84	12.39	11.98	10.20	12.03	12.93	7.14	4.58	4.32	5.73	3.83	
24	6.88	12.46	11.96	10.13	11.64	12.83	7.61	4.43	4.98	6.13	3.80	
25	7.32	12.51	11.92	10.12	11.71	12.71	7.21	4.30	4.55	4.88	3.84	
26	7.73	12.57	11.88	10.10	11.63	12.56	6.89	4.07	4.37	5.15	3.88	
27	7.98	12.63	11.86	10.11	11.68	12.45	6.87	3.92	4.18	5.31	3.78	
28	8.15	12.68	11.85	10.13	12.28	12.30	6.98	4.01	4.21	4.47	3.82	
29	8.39	-----	11.91	10.11	12.22	12.12	6.92	4.05	4.03	4.34	3.60	
30	8.54	-----	12.06	10.11	12.23	11.94	6.76	4.05	3.92	4.25	3.21	
31	8.71	-----	12.06	-----	12.31	-----	6.64	4.31	-----	4.19	-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	6.16	10.98	12.50	11.06	10.97	12.86	8.91	5.21	4.50	4.69	3.96	4.52
MAX	8.71	12.68	13.02	12.11	12.31	13.25	11.78	6.48	5.00	6.13	4.90	5.47
MIN	3.32	8.85	11.85	10.10	10.03	11.94	6.64	3.92	3.91	3.62	3.21	3.49
DAYS	26	28	31	30	31	30	29	31	30	31	30	18

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 345

THE MEAN STAGE FOR THE YEAR WAS 8.15.

HIGHEST STAGE WAS 13.25 AT 5:00 A.M. ON JUN 15 AND LATER DATE(S).

LOWEST STAGE WAS 3.00 ON SEP 26.

## DAILY STAGE FOR 1990

EABPL BORROW PIT (FWS) AT BAYOU SORREL LOCK (LA.)

LOCATION. LAT. 30-07-48, LONG. 91-19-21. IN RECESS AT SOUTHWEST CORNER OF SOUTH GATE BAY SECTION (IWW, MORGAN CITY-PORT ALLEN ROUTE). (STA. 4963009.)

GAGE. STAFF TYPE.

GENERAL INFORMATION. SUBTRACT 0.3 FROM STAGES PRIOR TO 1955.

RECORDS AVAILABLE. INTERMITTENTLY, 1949. DAILY, JAN. 1, 1950 TO DATE.

EXTREMES. HIGHEST, 18.10 FEET ON MAY 23 AND LATER DATES IN 1973. LOWEST, 0.00 FOOT ON JAN. 14 AND 15, 1964 AND OCT. 18, 1976.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3.1	5.6 G	8.6 G	8.2 G	7.0 G	8.6 G	8.3 G	4.5	2.9	2.4	2.9	3.0
2	2.4	5.7 G	8.9 G	8.2 G	7.0 G	8.8 G	8.1 G	4.5	3.0	2.5	3.0	3.2
3	2.4	5.8 G	8.9 G	8.2 G	7.0 G	8.9 G	7.9 G	4.4	3.1	2.5	3.0	3.6
4	2.0	6.0 G	8.9 G	8.2 G	7.0 G	9.0 G	7.7 G	4.4	3.1	2.5	3.3	3.4
5	2.2	6.0 G	8.9 G	8.2 G	7.0 G	9.1 G	7.6 G	4.4 G	3.2	2.5	3.5	3.2
6	2.3	6.0 G	8.9 G	8.1 G	7.0 G	9.3 G	7.5 G	4.2	3.1	2.6	3.4	3.2
7	2.3	6.1 G	9.0 G	8.1 G	6.9 G	9.4 G	7.4 G	4.2 G	3.1	2.6	3.4	3.1
8	2.8 G	6.2 G	9.0 G	8.1 G	6.9 G	9.5 G	7.3	4.0	3.1	2.6	3.4	3.1
9	3.0 G	6.5 G	9.0 G	8.0 G	7.0 G	9.7 G	7.1	3.9 G	3.1	2.6	3.4	3.1
10	3.0 G	6.7 G	9.0 G	8.0 G	7.1 G	9.7 G	7.0	3.7 G	3.1	2.5	3.3	3.0
11	3.1	6.9 G	9.1 G	7.9 G	7.0 G	9.8 G	6.9 G	3.6	3.1	2.2	3.3	3.2
12	3.2	6.9 G	9.1 G	7.9 G	7.1 G	9.8 G	6.8	3.5	3.1	2.3	3.2	3.2
13	3.4	7.0 G	9.1 G	7.8 G	7.1 G	9.9 G	6.6	3.5	3.1	2.3	3.0	3.3
14	3.6	7.1 G	9.1 G	7.8 G	7.2 G	9.9 G	6.5	3.5	3.1	2.3	3.0	3.4
15	3.7	7.3 G	9.0 G	7.7 G	7.5 G	10.0 G	6.2	3.5 G	3.1	2.3	2.9	3.4
16	3.7	7.5 G	8.9 G	7.6 G	7.5 G	9.9 G	6.0	3.5	3.1	2.5	2.7	3.6
17	3.6	7.5 G	8.8 G	7.5 G	7.7 G	10.0 G	5.9	3.5 G	3.1	2.7	2.7	3.8
18	3.7	7.6 G	8.6 G	7.3 G	7.7 G	10.0 G	5.8 G	3.5 G	3.1	2.7	2.7	3.8
19	4.0	7.8 G	8.5 G	7.3 G	7.7 G	9.9 G	5.7	3.5 G	2.8	2.6	2.5 G	3.9
20	4.1	7.9 G	8.5 G	7.2 G	7.8 G	9.8 G	5.5	3.5 G	2.8	2.8	2.8 G	3.8
21	4.2	8.0 G	8.3 G	7.1 G	7.9 G	9.7 G	5.4	3.5 G	2.8	3.1	2.8 G	3.7
22	4.5	8.2 G	8.3 G	7.1 G	7.9 G	9.5 G	5.2	3.5 G	2.8	3.3	2.7 G	3.7
23	4.5	8.2 G	8.2 G	7.1 G	8.0 G	9.5 G	5.2	3.4 G	2.8	3.3	3.0 G	3.9
24	4.5	8.4 G	8.0 G	7.1 G	8.0 G	9.3 G	5.1	3.4 G	2.6	3.5	2.8 G	4.1
25	4.8 G	8.5 G	8.0 G	7.0 G	8.0 G	9.1 G	4.8	3.3 G	2.6	3.4	2.9 G	4.2
26	5.0 G	8.5 G	7.9 G	7.0 G	8.1 G	9.0 G	4.8	3.0 G	2.7	3.1	2.9 G	4.3
27	5.1 G	8.5 G	7.9 G	7.0 G	8.1 G	8.8 G	4.7 G	3.0 G	2.6	3.0	2.8 G	4.4
28	5.2 G	8.6 G	7.8 G	7.0 G	8.2 G	8.7 G	4.6 G	2.9	2.4	3.0	2.9 G	4.7
29	5.2	-----	7.8 G	7.0 G	8.3 G	8.6 G	4.6 G	3.0	2.5	3.4	2.9 G	5.1
30	5.4	-----	8.1 G	7.0 G	8.4 G	8.5 G	4.6 G	2.9	2.5	3.2	3.0 G	5.3
31	5.4	-----	8.2	-----	8.5	-----	4.5	2.6	-----	3.0	-----	5.5

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	3.7	7.2	8.6	7.6	7.5	9.4	6.2	3.6	2.9	2.8	3.0	3.7
MAX	5.4	8.6	9.1	8.2	8.5	10.0	8.3	4.5	3.2	3.5	3.6	5.5
MIN	2.0	5.6	7.8	7.0	6.9	8.5	4.5	2.6	2.4	2.2	2.5	3.0
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

G=GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 5.5.

HIGHEST STAGE WAS 10.0 ON JUN 15 AND LATER DATE(S).

LOWEST STAGE WAS 2.0 ON JAN 4.

## DAILY STAGE FOR 1990

BIG BAYOU PIGEON (FWS) NEAR PIGEON, LA.

LOCATION. LAT. 30-04-36 LONG. 91-18-33. ON SHELL OIL COMPANY DOCK IN GIWW  
(MORGAN CITY-PORT ALLEN ROUTE) AT JUNCTION WITH BIG BAYOU PIGEON. (STA. 4963509.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO 1971 GAGE WAS KNOWN AS LITTLE BAYOU PIGEON.

RECORDS AVAILABLE. INTERMITTENTLY, 1936 TO 1939, 1949 AND 1950. DAILY, JAN. 1971 TO DATE.

EXTREMES. HIGHEST, 18.20 FEET ON MAY 25, 1973. LOWEST, 0.37 FOOT ON OCT. 18, 1976.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		5.65	8.60	8.22	6.99	8.76	8.30					
2		5.73	8.76	8.25	6.96	8.91	8.11					
3		5.80	8.81	8.24	6.98	9.08	7.96					
4		5.93	8.86	8.22	6.95	9.21	7.85					
5		5.99	8.90	8.20	7.03	9.33	7.73					
6		6.05	8.95	8.16	7.00	9.46	7.60					
7		6.18	9.00	8.12	6.96	9.56	7.40					
8		6.30	9.05	8.04	6.94	9.68	7.25					
9		6.52	9.10	7.95	7.07	9.77	7.16					
10		6.67	9.11	7.90	7.13	9.86	7.05					
11		6.78	9.06	7.89	7.12	9.94	6.93					
12		6.85	9.03	7.78	7.16	10.06	6.84					
13		6.94	8.99	7.66	7.30	10.10	6.70					
14		7.06	8.90	7.62	7.45	10.14	6.55					
15		7.20	8.86	7.56	7.55	10.15	6.34					
16		7.42	8.90	7.47	7.64	10.16	6.15					
17		7.49	8.75	7.40	7.75	10.14	6.00					
18		7.56	8.56	7.30	7.84	10.10	5.86					
19		7.77	8.42	7.21	7.90	10.03	5.70					
20	F 4.27	7.86	8.29	7.14	7.95	9.88	5.58					
21	4.44	7.97	8.16	7.09	8.01	9.77	5.44				F 3.95	
22	4.55	8.17	8.06	7.04	8.05	9.65	5.29				4.01	
23	4.60	8.29	8.03	6.96	8.07	9.55	5.26				4.04	
24	4.63	8.35	7.97	6.91	8.08	9.45	5.19				4.10	
25	5.15	8.37	7.95	6.93	8.15	9.25	5.09				4.18	
26	5.04	8.40	7.92	6.90	8.16	9.06					4.25	
27	5.25	8.45	7.90	6.95	8.23	8.90					4.36	
28	5.30	8.53	7.90	6.99	8.31	8.77					4.70	
29	5.45	-----	7.93	6.99	8.45	8.57					4.95	
30	5.54	-----	8.17	7.00	8.53	8.43					5.20	
31	5.63	-----	8.22	-----	8.63	-----			-----	-----	5.40	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	4.99	7.15	8.55	7.54	7.62	9.52	6.61					4.47
MAX	5.63	8.53	9.11	8.25	8.63	10.16	8.30					5.40
MIN	4.27	5.65	7.90	6.90	6.94	8.43	5.09					3.95
DAYS	12	28	31	30	31	30	25	0	0	0	0	11

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 198

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 7.51.

HIGHEST STAGE WAS 10.23 AT 3:00 P.M. ON JUN 14.

LOWEST STAGE WAS NOT DETERMINED.

## DAILY STAGE FOR 1990

OLD RIVER (FWS) AT JUNCTION WITH GIWW (MORGAN CITY-PORT ALLEN ROUTE) (LA.)

LOCATION. LAT. 29-56-47, LONG. 91-15-35. ON TOWER AT JUNCTON. (STA. 4964510.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO 1939 GAGE WAS KNOWN AS OLD RIVER (FWS) SOUTHWEST OF PIERP SS.

RECORDS AVAILABLE. INTERMITTENTLY, 1938 TO 1946 AND 1949. DAILY, NOV. 1934 TO AUG. 1935 AND JAN. 1971 TO DATE.

EXTREMES. (FROM 1971 TO DATE) HIGHEST, 16.84 FEET ON MAY 24, 1973. LOWEST, 0.38 FOOT ON OCT. 17, 1976.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.55	5.10 E	8.65	8.32	6.95	8.93	8.30		3.45	3.28	3.46	3.26
2	2.42	4.21 E	8.87	8.34	6.93	9.10	8.14		3.52	3.25	3.60	3.36
3	2.24	5.30 E	8.90	8.34	6.94	9.27	7.99		3.59	3.41	3.70	4.20
4	2.08	5.45 E	8.94	8.30	6.97	9.40	7.85		3.63	3.44	3.90	3.90
5	2.15	5.40 E	9.00	8.27	6.97	9.52	7.69		3.66	3.27	4.03	3.70
6	2.35 E	5.55 E	9.06	8.24	6.91	9.63	7.53		3.65	3.29	3.90	3.64
7	2.51 E	5.08 E	9.13	8.15	6.85	9.75	7.33		3.70	3.40	3.90	3.68
8	2.62 E	5.80 E	9.24	8.05	6.84	9.84	7.18		3.70	3.35	3.80	3.53
9	2.72 E	6.07 E	9.29	7.99	7.03	9.94 F	7.12		3.70	3.49	4.15	3.46
10	2.79 E	6.24 E	9.30	7.93	7.06	10.05			3.68	3.12	3.95	3.40
11	2.82 E	6.40 E	9.24	7.90	7.04	10.11			3.68	2.65	3.65	3.35
12	2.91 E	6.47 E	9.20	7.77	7.10	10.19			3.75	2.87	3.57	3.40
13	2.97 E	6.57 E	9.15	7.67	7.28	10.22			3.75	2.65	3.35	3.53
14	3.10 E	6.73 E	9.10	7.59	7.49	10.25			3.74	2.95	3.35	3.58
15	3.19 E	6.90 E	9.06	7.54	7.54	10.25		4.00	3.70	3.10	3.30	3.64
16	3.30 E	7.25 E	9.09	7.44	7.64	10.27		4.00	3.65	3.16	3.30	3.63
17	3.37 E	7.29 E	8.90	7.36	7.76	10.25		4.03	3.62	3.24	3.29	3.70
18	3.46 E	7.36 E	8.70	7.26	7.86	10.20		4.07	3.58	3.35	3.28	3.83
19	3.56 E	7.61 E	8.54	7.15	7.93	10.14		4.09	3.55	3.15	3.38	3.90
20	3.70 E	7.72	8.35	7.08	8.00	10.12		4.05	3.52	3.14	3.36	3.80
21	3.90 E	7.84	8.21	7.03	8.07	9.90		3.96	3.54	3.50	3.49	3.82
22	3.95 E	8.15	8.13	6.97	8.11	9.80		3.96	3.49	3.81	3.55	3.86
23	4.03 E	8.28	8.06	6.89	8.11	9.74		3.85	3.35	3.70	3.55 E	3.87
24	4.06 E	8.30	8.02	6.84	8.12	9.56		3.75	2.96	3.66	3.49 E	3.85
25	4.27 E	8.32	7.99	6.84	8.16	9.37		3.64	3.10	3.55	3.49 E	3.86
26	4.40 E	8.43	7.95	6.84	8.21	9.17		3.51	3.15	3.42	3.45 E	3.84
27	4.50 E	8.49	7.90	6.92	8.32	9.03		3.43	3.15	3.45	3.50 E	3.92
28	4.65 E	8.57	7.91	6.98	8.42	8.87		3.43	3.20	3.45	3.62 E	4.13
29	4.83	-----	7.97	6.94	8.58	8.65		3.46	3.15	3.43	3.45 E	4.44
30	5.90	-----	8.23	6.96	8.65	8.49		3.45	3.19	3.44	3.16 E	4.60
31	5.00	-----	8.30	-----	8.77	-----		3.45	-----	3.42	----- E	4.80

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	3.43	6.82	8.66	7.53	7.63	9.67	7.68	3.77	3.50	3.30	3.57	3.79
MAX	5.90	8.57	9.30	8.34	8.77	10.27	8.30	4.09	3.75	3.81	4.15	4.80
MIN	2.08	4.21	7.90	6.84	6.84	8.49	7.12	3.43	2.96	2.65	3.16	3.26
DAYS	31	28	31	30	31	30	9	17	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 329

E=ESTIMATED F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 5.72.

HIGHEST STAGE WAS 10.29 AT 4:00 P.M. ON JUN 15.

LOWEST STAGE WAS 2.07 ON JAN 4.

## DAILY STAGE FOR 1990

## INTRACOASTAL WATERWAY NEAR PIERRE PASS, LA.

LOCATION. LAT. 29-54-23, LONG. 91-13-04. ATTACHED TO TELEPHONE POLE NEAR BOAT RAMP IN GIWW  
(MORGAN CITY-PORT ALLEN ROUTE), 4.2 MILES SOUTH OF PIERRE PASS, LA. (STA. 4969010.)

GAGE. STAFF TYPE.

GENERAL INFORMATION. PRIOR TO 1961, GAGE WAS KNOWN AS BELLE RIVER, FWS.

RECORDS AVAILABLE. INTERMITTENTLY, 1945 TO 1946, 1949 TO 1950, 1961. DAILY, JULY 1, 1962 TO DATE.

EXTREMES. HIGHEST, 16.00 FEET ON MAY 22 AND LATER DATES IN 1973. LOWEST, MINUS 0.9 FOOT ON JAN. 14, 1964.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.8	4.4	7.4	7.2	5.9	7.8	7.3	3.7	2.7	2.2	2.6	2.7
2	1.9	4.5	7.4	7.2	5.9	8.0	7.1	3.6	2.7	2.2	2.6	2.5
3	1.7	4.6	7.4	7.1	5.9	8.1	6.9	3.5	2.7	2.2	2.7	2.4
4	1.7	4.7	7.4	7.1	5.9	8.3	6.7	3.4	2.7	2.3	2.7	2.3
5	1.6	4.8	7.4	7.0	5.8	8.4	6.5	3.3	2.6	2.3	2.8	2.4
6	1.6	4.9	7.4	7.0	5.8	8.5	6.3	3.2	2.6	2.4	2.8	2.5
7	1.8	5.0	7.5	6.9	5.7	8.6	6.1	3.2	2.6	2.4	2.8	2.6
8	1.9	5.2	7.6	6.9	5.7	8.7	6.0	3.1	2.6	2.5	2.8	2.6
9	1.9	5.3	7.6	6.8	5.8	8.8	5.9	3.0	2.8	2.5	2.7	2.6
10	1.9	5.4	7.5	6.8	5.9	8.8	5.7	2.9	2.8	2.5	2.7	2.7
11	2.0	5.6	7.5	6.7	6.0	8.9	5.6	2.9	2.8	2.4	2.7	2.7
12	2.1	5.7	7.5	6.6	6.1	8.9	5.4	2.8	2.8	2.4	2.6	2.8
13	2.2	5.8	7.4	6.5	6.0	9.0	5.2	2.7	2.9	2.3	2.5	2.9
14	2.4	5.9	7.4	6.4	6.4	9.0	5.0	2.7	2.9	2.4	2.5	2.9
15	2.5	6.1	7.4		6.5	9.0	4.9	2.8	2.9	2.4	2.4	3.0
16	2.6	6.2	7.4		6.6	9.0	4.8	2.8	2.8	2.5	2.3	3.0
17	2.7	6.2	7.4		6.7	9.0	4.7	2.8	2.7	2.5	2.3	3.0
18	2.8	6.3	7.3		6.8	8.9	4.6	2.9	2.7	2.6	2.2	3.1
19	2.9	6.4	7.3		6.8	8.8	4.5	2.9	2.6	2.6	2.2	3.1
20	3.0	6.5	7.3		6.9	8.7	4.4	2.9	2.6	2.7	2.4	3.1
21	3.1	6.7	7.2		6.9	8.6	4.3	2.8	2.6	2.8	2.5	3.1
22	3.2	6.8	7.1	5.8	7.0	8.5	4.3	2.8	2.5	2.8	2.6	3.2
23	3.3	6.9	7.0	5.8	7.0	8.4	4.2	2.8	2.6	2.7	2.7	3.2
24	3.4	7.1	6.9	5.8	7.1	8.2	4.2	2.9	2.5	2.6	2.6	3.2
25	3.6	7.2	6.8	5.7	7.2	8.0	4.2	2.9	2.4	2.5	2.7	3.2
26	3.7	7.2	6.8	5.7	7.3	7.9	4.1	2.9	2.3	2.4	3.0	3.3
27	3.8	7.3	6.9	5.7	7.4	7.8	4.0	2.8	2.2	2.4	2.6	3.4
28	4.0	7.3	6.9	5.8	7.4	7.7	3.9	2.8	2.1	2.4	2.5	3.7
29	4.1	-----	7.0	5.8	7.5	7.6	3.9	2.8	2.1	2.4	2.5	3.9
30	4.2	-----	7.0	5.8	7.5	7.5	3.9	2.8	2.1	2.5	2.7	4.2
31	4.3	-----	7.1	-----	7.6	-----	3.8	2.8	-----	2.5	-----	4.4

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.7	5.9	7.3	6.4	6.5	8.4	5.1	3.0	2.6	2.5	2.6	3.0
MAX	4.3	7.3	7.6	7.2	7.6	9.0	7.3	3.7	2.9	2.8	3.0	4.4
MIN	1.6	4.4	6.8	5.7	5.7	7.5	3.8	2.7	2.1	2.2	2.2	2.3
DAYS	31	28	31	23	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 358

THE MEAN STAGE FOR THE YEAR WAS 4.6.

HIGHEST STAGE WAS 9.0 ON JUN 13 AND LATER DATE(S).

LOWEST STAGE WAS 1.6 ON JAN 5 AND LATER DATE(S).

## DAILY STAGE FOR 1990

LITTLE BAYOU SORREL AT JCT. WITH GIWW (MORGAN-CITY PORT ALLEN ROUTE) (LA.)

LOCATION. LAT. 29-47-47, LONG. 91-10-30. ON TOWER AT JUNCTION WITH GULF INTRACOASTAL WATERWAY.  
(STA. 4972510.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. DEC. 21, 1970 TO DATE

EXTREMES. HIGHEST, 14.01 FEET (FROM TIDE GAGE RECORD) ON MAY 25, 1973. LOWEST, MINUS 0.88 FOOT  
ON OCT. 17, 1976.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.74	4.15	7.22	6.93	5.80	7.52	6.83	3.65	2.73	2.51	2.60	
2	1.65	4.36	7.42	6.96	5.79	7.73	6.70	3.60	2.74	2.44	2.75	
3	1.49	4.39	7.38	6.93	5.85	7.80	6.53	3.56	2.85	2.79	2.90	
4	1.35	4.55	7.43	6.87	5.88	7.89	6.36	3.49	2.85	2.71	3.17	
5	1.30	4.36	7.50	6.88	5.84	7.93	6.25	3.41	2.70	2.25	3.26	
6	1.53	4.61	7.55	6.87	5.70	8.02	6.10	3.34	2.80	2.44	3.04	
7	1.70	4.76	7.62	6.66	5.67	8.11	5.93	3.33	2.87	2.64	3.00	
8	1.69	4.90	7.70	6.64	5.69	8.17	5.75	3.10	2.82	2.65	2.77	
9	1.90	5.21	7.73	6.61	6.05	8.24	5.68	3.04	2.83	2.81	3.79	
10	1.99	5.44	7.71	6.56	5.90	8.30	5.55	3.00	2.85	1.94	2.71	
11	2.04	5.35	7.66	6.49	5.88	8.32	5.40	3.00	2.98	2.01	2.32	
12	2.24	5.41	7.64	6.34	6.00	8.37	5.30	3.05	3.04	2.13	2.39	2.40
13	2.15	5.56	7.59	6.29	6.17	8.40	5.15	3.14	2.96	1.76	2.10	2.54
14	2.40	5.67	7.53	6.26	6.26	8.43	4.93	3.17	2.87	2.14	2.22	2.57
15	2.49	5.94	7.56	6.20	6.35	8.44	4.75	3.25	2.75	2.26	2.27	2.65
16	2.52	6.24	7.52	6.10	6.49	8.46	4.66	3.21	2.73	2.34	2.30	2.80
17	2.62	6.14	7.30	6.06	6.57	8.44	4.57	3.30	2.70	2.42	2.32	2.86
18	2.66	6.21	7.13	5.93	6.60	8.40	4.42	3.37	2.63	2.54	2.49	3.11
19	2.78	6.44	7.04	5.85	6.67	8.32	4.35	3.26	2.67	2.09		3.00
20	2.95	6.51	6.79	5.86	6.82	8.26	4.23	3.15	2.60	2.65		3.03
21	3.10	6.65	6.72	5.83	6.85	8.15	4.16	3.01	2.66	2.74		3.05
22	3.12	7.10	6.70	5.78	6.82	8.08	3.89	3.00	2.54	3.01		3.09
23	3.17	7.09	6.64	5.73	6.76	7.94	4.04	2.91	2.14	2.73		3.24
24	3.26	6.99	6.65	5.68	6.82	7.80	3.90	2.65	1.90	2.73		
25	3.65	7.00	6.67	5.66	6.85	7.65	3.79	2.49	2.26	2.54		
26	3.49	7.05	6.60	5.70	6.89	7.49	3.70	2.36	2.36	2.44		
27	3.77	7.11	6.53	5.84	6.99	7.36	3.65	2.43	2.34	2.50		
28	3.81	7.16	6.60	5.83	7.08	7.21	3.69	2.62	2.44	2.48		
29	4.10	-----	6.65	5.78	7.19	7.06	3.71	2.72	2.36	2.50		
30	4.03	-----	6.86	5.84	7.27	6.96	3.65	2.65	2.44	2.46		
31	4.09	-----	6.93	-----	7.41	-----	3.63	2.88	-----	2.46	-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.61	5.80	7.18	6.23	6.42	7.97	4.88	3.07	2.65	2.46	2.69	2.86
MAX	4.10	7.16	7.73	6.96	7.41	8.46	6.83	3.65	3.04	3.01	3.79	3.24
MIN	1.30	4.15	6.53	5.66	5.67	6.96	3.63	2.36	1.90	1.76	2.10	2.40
DAYS	31	28	31	30	31	30	31	31	30	31	18	12

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 334

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 4.72.

HIGHEST STAGE WAS 8.49 AT 8:30 A.M. ON JUN 14.

LOWEST STAGE WAS 1.30 ON JAN 5.

## DAILY STAGE FOR 1990

EABPL BORROW PIT AT BAYOU FORDOCHE (LA.) (ABOVE STATE HWY. 10)

LOCATION. LAT. 30-40-07, LONG. 91-39-30. ON NORTH END OF HIGHWAY 10 CULVERT, JUST ABOVE LOWER JUNCTION WITH BAYOU FORDOCHE, SIX MILES EAST OF MELVILLE, LA. (STA. 52040128.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1943, 1944, 1947, AND 1950 TO 1955. DAILY, 1948, 1949, AND MAY 22, 1958 TO DATE.

EXTREMES. HIGHEST, (FROM INCOMPLETE RECORD) 28.10 FEET ON MAY 18, 1953. LOWEST, CHANNEL DRY ON OCT. 4, 1954, AND LATER DATES.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 AD'.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	21.28	21.02	20.23	19.25	19.20	19.51	19.20	18.98	18.50	18.69	18.60	18.75
2	21.11	20.91	20.66	19.22	19.19	19.51	19.20	18.97	18.49	18.62	18.60	18.73
3	20.85	21.11	20.58	19.24	19.18	19.50	19.19	18.97	18.48	18.60	18.59	20.17
4	21.41	21.26	20.49	19.20	19.17	19.49	19.24	18.95	18.40	18.60	18.59	20.30
5	21.33	20.87	20.36	19.16	19.17	19.48	19.23	18.94	18.40	18.70	18.60	20.21
6	21.58	20.52	20.26	19.17	19.16	19.48	19.22	18.93	18.40	18.70	18.60	20.20
7	21.66	20.20	20.15	19.16	19.14	19.46	19.21	18.94	18.39	18.69	18.59	20.30
8	21.39	19.99	20.05	19.15	19.26	19.45	19.20	18.90	18.35	18.68	18.58	20.24
9	21.22	20.24	19.97	19.15	19.26	19.44	19.20	18.88	18.33	18.68	18.69	20.25
10	21.09	21.36	19.96	19.13	19.26	19.41	19.20	18.85	18.32	18.70	18.67	20.21
11	20.97	20.76	19.92	19.16	19.26	19.41	19.20	18.81	18.30	18.69	18.66	20.21
12	20.83	20.46	19.91	19.14	19.26	19.41	19.22	18.80	18.31	18.67	18.65	20.24
13	20.59	20.25	19.86	19.13	19.26	19.41	19.22	18.80	18.33	18.63	18.65	20.24
14	20.56	20.95	19.84	19.13	19.28	19.40	19.20	18.78	18.32	18.62	18.62	20.22
15	20.44	21.12	19.79	19.20	19.28	19.40	19.19	18.77	18.40	18.60	18.62	20.23
16	20.36	21.96	19.77	19.21	19.26	19.38	19.18	18.76	18.40	18.61	18.61	20.22
17	20.41	21.47	19.79	19.21	19.28	19.37	19.18	18.73	18.39	18.60	18.60	20.22
18	20.41	21.26	19.76	19.20	19.26	19.35	19.18	18.70	18.38	18.60	18.60	20.23
19	20.46	21.21	19.75	19.20	19.26	19.30	19.18	18.70	18.46	18.60	18.60	21.08
20	20.29	21.07	19.70	19.19	19.25	19.28	19.18	18.70	18.47	18.59	18.60	21.07
21	20.56	20.93	19.66	19.19	19.25	19.26	19.15	18.70	18.50	18.57	18.60	20.90
22	20.59	21.06	19.63	19.20	19.17	19.23	19.14	18.70	18.52	18.70	18.60	20.90
23	20.53	20.91	19.59	19.19	19.21	19.24	19.11	18.69	18.79	18.66	18.61	20.69
24	21.51	20.74	19.47	19.17	19.18	19.23	19.09	18.68	18.77	18.67	18.60	20.50
25	20.74	20.59	19.35	19.17	19.16	19.22	19.09	18.64	18.75	18.65	18.60	20.37
26	21.78	20.44	19.27	19.16	19.16	19.20	19.10	18.61	18.75	18.63	18.60	20.22
27	21.48	20.34	19.20	19.17	19.15	19.20	19.08	18.60	18.74	18.61	18.60	20.20
28	21.29	20.26	19.16	19.21	19.24	19.25	19.04	18.60	18.73	18.60	18.77	20.37
29	21.61	-----	19.16	19.20	19.25	19.24	19.02	18.57	18.70	18.60	18.78	20.40
30	21.31	-----	19.34	19.20	19.26	19.21	19.00	18.54	18.70	18.60	18.75	20.46
31	21.45	-----	19.29	-----	19.26	-----	19.00	18.52	-----	18.60	-----	20.48

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	21.00	20.83	19.80	19.18	19.22	19.36	19.16	18.76	18.49	18.64	18.63	20.28
MAX	21.78	21.96	20.66	19.25	19.28	19.51	19.24	18.98	18.79	18.70	18.78	21.08
MIN	20.29	19.99	19.16	19.13	19.14	19.20	19.00	18.52	18.30	18.57	18.58	18.73
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 19.44.

HIGHEST STAGE WAS 23.03 AT 2:00 A.M. ON JAN 25.

LOWEST STAGE WAS 18.30 ON SEP 10 AND LATER DATE(S).



## DAILY STAGE FOR 1990

EABPL BORROW PIT AT BAYOU FORDOCHE (LA.) (BELOW STATE HWY. 10)

LOCATION. LAT. 30-40-04, LONG. 91-39-31. ON SOUTH END OF HIGHWAY 10 CULVERT, JUST ABOVE LOWER JUNCTION WITH BAYOU FORDOCHE, SIX MILES EAST OF MELVILLE, LA. (STA. 52080128.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1947, AND 1950 TO 1955. DAILY, 1948, 1949, AND MAY 22, 1958 TO DATE.

EXTREMES. HIGHEST, (FROM INCOMPLETE RECORD) 28.0 FEET ON MAY 18, 1953. LOWEST, CHANNEL DRY ON OCT. 5, 1953, AND LATER DATES.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	19.39	18.43	16.65	15.40	15.18	15.45	13.81					14.64
2	18.91	18.17	17.33	15.37	15.18		13.65					14.46
3	18.30	18.20	17.25	15.40	15.17		14.00					16.44
4	19.25	18.57	17.01	15.40	15.14	15.28	14.37					16.70
5	20.63	18.20	16.80	15.40	15.10	15.23	14.31					16.57
6	20.80	17.68	16.68	15.39	15.10	15.20	14.28					16.54
7	21.07	17.20	16.51	15.35	15.10	15.18	14.09					16.76
8	20.48	16.90	16.39	15.28	15.10	15.13	13.65					16.52
9	19.55	17.41	16.30	15.28	15.24	15.10	13.77				15.00	16.47
10	18.74	19.34	16.24	15.27	15.21	15.05	13.65				14.60	16.52
11	18.24	18.65	16.17	15.32	15.19	15.09	13.64				14.33	16.50
12	17.85	17.89	16.12	15.29	15.19	15.06	16.64				14.14	16.55
13	17.40	17.32	16.08	15.27	15.19	15.10	13.65				13.93	16.50
14	17.29	17.35	16.04	15.25	15.20	15.06	13.62	B			13.72	16.43
15	17.10	17.50	16.02	15.33	15.20	15.01	13.61					16.38
16	16.97	19.04	16.01	15.31	15.21	14.95	13.60					16.30
17	17.00	19.10	16.00	15.30	15.22	14.89	13.61					16.25
18	17.08	18.68	15.97	15.30	15.18	14.80						16.30
19	17.75	18.70	15.95	15.29	15.16	14.72						17.49
20	17.49	18.38	15.88	15.27	15.12	14.65					F 13.65	17.31
21	17.98	18.06	15.80	15.24	15.13	14.52		B				17.33
22	17.85	18.62	15.77	15.21	15.11	14.39			F 13.61			17.40
23	17.63	18.15	15.70	15.21	15.10	14.56			14.98			17.20
24	19.50	17.79	15.59	15.00	15.10	14.40			14.50			17.00
25	21.90	17.31	15.48	15.00	15.08	14.28			14.26			16.90
26	20.75	16.99	15.41	15.00	15.01	14.00			13.99			16.75
27	20.02	16.79	15.37	15.19	14.98	13.77			13.69			16.50
28	19.25	16.68	15.32	15.19	15.29	14.45					15.43	16.74
29	20.14	-----	15.33	15.19	15.20	14.37					15.08	16.80
30	19.56	-----	15.61	15.19	15.19	14.18					14.84	16.87
31	18.80	-----	15.52	-----	15.19	-----			-----		-----	16.84

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	18.86	17.97	16.07	15.26	15.15	14.78	14.00		14.17		14.47	16.58
MAX	21.90	19.34	17.33	15.40	15.29	15.45	16.64		14.98		15.43	17.49
MIN	16.97	16.68	15.32	15.00	14.98	13.77	13.60		13.61		13.65	14.46
DAYS	31	28	31	30	31	28	17	0	6	0	10	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 243

B=CHANNEL DRY F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 16.09.

HIGHEST STAGE WAS 22.40 AT 2:00 A.M. ON JAN 25.

LOWEST STAGE WAS NOT DETERMINED.

## DAILY STAGE FOR 1990

EABPL BORROW PIT AT LOTTIE, LA. (ABOVE U. S. HWY. 190)

LOCATION. LAT. 30-33-27, LONG. 91-39-27. ON NORTH END OF U. S. HIGHWAY 190 CULVERT.  
(STA. 5212012B.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. GAGE WAS KNOWN AS BAYOU FORDOCHE-LOTTIE BORROW PIT FROM 1937 TO 1939.  
ADD 0.1 TO STAGES FROM 1945 TO 1964.RECORDS AVAILABLE. INTERMITTENTLY, 1937 TO 1948, AND 1950 TO 1956. DAILY, 1949, AND AUG. 8, 1956,  
TO DATE.EXTREMES. HIGHEST, (FROM INCOMPLETE RECORD) 25.8 FEET ON AUG. 8, 1940. LOWEST, (FROM INCOMPLETE  
RECORD) 7.23 FEET ON JAN. 12, 1981.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	9.78	9.19	8.43	7.95	7.62	7.70	7.50	7.48	7.04	7.20	7.34	7.50
2	9.49	9.00	10.17	8.06	7.63	7.70	7.50	7.45	7.03	7.20	7.31	7.49
3	9.25	8.92	8.98	8.08	7.60	7.70	7.52	7.41	7.04	7.18	7.29	8.24
4	11.10	10.23	8.75	7.98	7.57	7.68	7.53	7.42	7.09	7.22	7.27	7.70
5	11.90	9.05	8.59	7.90	7.56	7.69	7.51	7.39	7.10	7.50	7.38	7.61
6	11.69	8.98	8.44	7.80	7.52	7.67	7.50	7.37	7.10	7.49	7.40	7.66
7	11.11	8.83	8.49	7.79	7.50	7.64	7.50	7.39	7.10	7.46	7.41	7.99
8	10.52	8.60	8.28	7.73	7.50	7.62	7.49	7.38	7.09	7.43	7.40	7.85
9	9.81	9.09	8.18	7.70	7.64	7.60	7.49	7.33	7.07	7.41	7.61	7.95
10	9.53	11.19	8.11	7.71	7.61	7.59	7.50	7.30	7.06	7.48	7.52	7.95
11	9.30	9.65	8.06	7.73	7.60	7.60	7.51	7.25	7.10	7.44	7.50	7.94
12	9.05	9.00	8.00	7.70	7.59	7.61	7.53	7.21	7.10	7.44	7.50	7.90
13	8.87	8.80	8.00	7.69	7.58	7.57	7.51	7.20	7.10	7.37	7.50	7.87
14	8.71	8.72	8.00	7.68	7.53	7.55	7.50	7.19	7.08	7.32	7.50	7.84
15	8.59	8.68	8.00	7.70	7.53	7.54	7.50	7.18	7.06	7.30	7.50	7.88
16	8.50	9.39	8.02	7.69	7.53	7.50	7.50	7.15	7.05 F	7.29	7.49	7.86
17	8.35	9.44	8.13	7.66	7.55	7.50	7.52	7.11	7.07	7.29	7.47	7.87
18	8.38	9.20	8.05	7.65	7.51	7.50	7.52	7.10	7.09	7.28	7.45	7.89
19	9.88	9.90	8.00	7.64	7.52	7.50	7.50	7.10	7.11	7.23	7.44	7.90
20	8.80	9.17	7.94	7.61	7.52	7.50	7.50	7.30	7.12	7.20	7.47	7.90
21	9.45	8.96	7.91	7.60	7.50	7.53	7.49	7.30	7.11	7.15	7.46	8.09
22	8.80	10.17	7.90	7.60	7.55	7.57	7.48	7.28	7.11	7.50	7.44	
23	8.65	9.15	7.88	7.60	7.57	7.60	7.49	7.23	7.52	7.51	7.44	
24	11.10	8.90	7.83	7.60	7.57	7.59	7.50	7.20	7.49	7.50	7.44 F	8.71
25	16.22	8.80	7.80	7.60	7.56	7.54	7.50	7.18	7.44	7.49	7.43	8.40
26	11.74	8.70	7.75	7.60	7.53	7.58	7.49	7.12	7.40	7.46	7.44	8.30
27	9.97	8.55	7.71	7.60	7.51	7.57	7.48	7.11	7.38	7.43	7.49	8.20
28	9.58	8.57	7.71	7.59	7.68	7.57	7.44	7.11	7.32	7.40	7.63	8.14
29	12.02	-----	7.70	7.59	7.88	7.53	7.43	7.10	7.38	7.40	7.51	8.00
30	10.15	-----	8.25	7.57	7.64	7.50	7.50	7.10	7.22	7.40	7.50	7.91
31	9.55	-----	8.08	-----	7.70	-----	7.50	7.08	-----	7.38	-----	7.91

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	9.99	9.17	8.17	7.71	7.58	7.58	7.50	7.24	7.17	7.37	7.45	7.95
MAX	16.22	11.19	10.17	8.08	7.88	7.70	7.53	7.48	7.52	7.51	7.63	8.71
MIN	8.35	8.55	7.70	7.57	7.50	7.50	7.43	7.08	7.03	7.15	7.27	7.49
DAYS	31	28	31	30	31	30	31	31	30	31	30	29

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 363

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 7.90.

HIGHEST STAGE WAS 16.41 AT 4:30 A.M. ON JAN 25.

LOWEST STAGE WAS 7.02 ON SEP 1.

## DAILY STAGE FOR 1990

EABPL BORROW PIT AT LOTTIE, LA. (BELOW U. S. HWY. 190)

LOCATION. LAT. 30-33-24, LONG. 91-39-27. ON SOUTH END OF U. S. HIGHWAY 190 CULVERT.  
(STA. 5216012B.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. GAGE WAS KNOWN AS BAYOU FORDOCHE-LOTTIE BORROW PIT FROM 1937 TO 1939. ADD 0.1  
TO STAGES FROM 1945 TO 1964.

RECORDS AVAILABLE. INTERMITTENTLY, 1938 TO 1948, AND 1950. DAILY, 1949, AND MAR. 8, 1951 TO DATE.

EXTREMES. HIGHEST, 23.5 FEET (FROM WATERMARK) IN MAY, 1953. LOWEST, CHANNEL DRY ON OCT. 11,  
1963, AND LATER DATES. EXTREMES HAVE BEEN CORRECTED.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	9.63	8.74	7.65		F 6.90					F 6.60		7.27
2	9.31	8.50	10.00	F 7.10								7.27
3	9.05	8.35	8.70	7.20								8.21
4	10.60	10.00	8.25			F 7.02			F 6.60	F 7.10		7.66
5	11.70	8.60	7.97									7.53
6	11.44	8.41	7.70					F 6.60			F 6.65	7.60
7	10.90	8.30	7.60									7.97
8	10.30	7.98	7.43		F 6.85							7.82
9	9.53	8.74	7.30	F 6.80						6.55	7.67	7.92
10	9.20	11.01	7.22				F 6.80		F 6.60			7.92
11	8.90	9.42	7.19									7.89
12	8.64	8.67				F 6.88						7.84
13	8.41	8.32						F 6.80			F 7.02	7.80
14	8.17	8.12	F 7.02									7.80
15	7.94	8.05			F 6.80							7.82
16	7.78	9.19	7.25				F 6.80			F 6.60		7.81
17	7.65	9.10	7.41	F 6.80								7.81
18	7.68	8.80	7.19						F 6.60			7.82
19	9.80	9.73									7.02	7.83
20	8.58	8.88										7.82
21	9.30	8.50	F 7.02					F 6.60		F 7.11		8.00
22	8.50	9.95			F 6.80				F 7.12	6.70		9.89
23	8.23	8.80										9.56
24	11.00	8.40		F 6.80			F 6.75					8.67
25	16.05	8.23							F 6.60			8.32
26	11.40	8.08	F 6.90			F 6.87					F 7.02	8.20
27	9.78	7.85			F 7.10			6.78				8.10
28	9.25	7.85			7.30						7.43	8.05
29	11.90	-----			7.22						7.30	7.89
30	9.88	-----	7.50		F 6.95		F 6.75			6.60	7.29	7.80
31	9.13	-----	7.23	-----		-----			-----		-----	7.70

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	9.67	8.73	7.61	6.94	6.99	6.92	6.78	6.70	6.70	6.75	7.17	7.99
MAX	16.05	11.01	10.00	7.20	7.30	7.02	6.80	6.80	7.12	7.11	7.67	9.89
MIN	7.65	7.85	6.90	6.80	6.80	6.87	6.75	6.60	6.60	6.55	6.65	7.27
DAYS	31	28	19	5	8	3	4	4	5	7	8	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 153

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 8.10.

HIGHEST STAGE WAS 16.29 AT 4:00 A.M. ON JAN 25.

LOWEST STAGE WAS NOT DETERMINED.

## DAILY STAGE FOR 1990

EABPL BORROW PIT NEAR MARINGOUIN, LA.

LOCATION. LAT. 30-28-00, LONG. 91-32-40. ON BORROW PIT BRIDGE, TWO MILES SOUTHWEST OF MARINGOUIN, LA.  
(STA. 5220012D.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. MAR. 10, 1948 TO DATE.

EXTREMES. HIGHEST, 17.54 FEET ON OCT. 4, 1964. LOWEST, 0.5 FOOT ON NOV. 12, 1953.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	6.02	5.89	5.33	4.13	3.01	3.26	3.20	1.88		1.68	2.27	2.59
2	5.52	5.75	6.96	4.01	3.00	3.28	3.15	1.90		1.70	2.27	2.60
3	5.28	5.67	5.92	3.91	2.99	3.28	3.20	1.91		1.74	2.30	3.30
4	5.80	8.13	5.60	3.80	3.19	3.23	3.27	1.95 F	1.72	1.80	3.39	3.99
5	9.21	6.02	5.42	3.68	2.89	3.23	3.24	1.89	1.73	1.88	2.42	3.25
6	8.32	5.70	5.28	3.53	2.88	3.25	3.20	1.87	1.72	1.91	2.40	2.96
7	7.50	5.69	5.18	3.42	2.82	3.25	3.11	1.78		1.92	2.48	3.10
8	7.20	5.53	5.01	3.34	2.80	3.27	2.99	1.74		1.95	2.43	3.39
9	5.95	6.30	4.86	3.29	2.90	3.20 F	2.99	1.85		1.97	2.60	3.01
10	5.50	8.47	4.79	3.20	2.83	3.18 F	2.85	1.93 F	1.68	1.97	2.59	2.87
11	5.25	6.59	4.70	3.14	2.89	3.22	2.81	1.77	1.68	1.91	2.56	2.74
12	5.02	6.00	4.60	3.10	2.95	3.22	2.88	1.79	1.82	1.87	2.58	2.70
13	4.85	5.81	4.54	3.02	2.89	3.28	2.87	1.75	2.00	1.81	2.53	2.75
14	4.68	5.67	4.45	3.05	2.97		2.82	1.80	2.03	1.78	2.50	2.70
15	4.52	5.90	4.40	2.96	3.00		2.77	1.93	2.00	1.73	2.42	2.79
16	4.45	6.54	4.63	2.95	3.04		2.67	2.10	1.99 F	1.72	2.39	2.78
17	4.38	6.00	4.91	2.84	2.96		2.59	2.10	1.94	1.74	2.32	2.88
18	4.29	5.76	4.80	2.77	2.96		2.50	1.98	1.92	1.76	2.28	2.99
19	6.71	7.47	4.64	2.76			2.41	1.93	1.90	1.75	2.24	2.73
20	5.59	6.40	4.50	2.76		3.25	2.35	2.02	1.88	1.73	2.23	2.59
21	6.33	6.15	4.40	2.78		3.23	2.30	2.12	1.86	1.72	2.24	2.54
22	5.42	7.50	4.27	2.73	2.90	3.24	2.20	2.18	1.84	2.12	2.26	2.60
23	5.10	6.42	4.13	2.72	2.89	3.25	2.23	2.11	1.85	2.25	2.30	5.20
24	7.39	6.22	4.00	2.75	2.88	3.44	2.30	2.09	1.81	2.31	2.30	3.99
25	12.90	6.03	3.80	2.80	2.86	3.41	2.30	2.03	1.79	2.32	2.31	3.50
26	8.70	5.88	3.60	2.80	2.83	3.37	2.25	2.00	1.75	2.33	2.40	3.22
27 F	6.42	5.74	3.53	2.83	2.82	3.39	2.17	1.95	1.72	2.32	2.44	3.12
28	5.95	5.53	3.45	2.93	3.00	3.43	2.09	1.93	1.70	2.29	2.65	3.07
29	9.20	-----	3.43	3.10	3.26	3.34	2.02	1.90	1.70	2.29	2.60	3.02
30	6.89	-----	4.00	3.10	3.25	3.29	1.97	1.86	1.69	2.28	2.58	3.06
31	6.08	-----	4.20	-----	3.20	-----	1.89 F	1.75	-----	2.28	-----	3.15

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	6.34	6.24	4.62	3.14	2.96	3.28	2.63	1.93	1.82	1.96	2.44	3.07
MAX	12.90	8.47	6.96	4.13	3.26	3.44	3.27	2.18	2.03	2.33	3.39	5.20
MIN	4.29	5.53	3.43	2.72	2.80	3.18	1.89	1.74	1.68	1.68	2.23	2.54
DAYS	31	28	31	30	28	24	31	31	24	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 350

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 3.38.

HIGHEST STAGE WAS 13.10 AT 3:30 A.M. ON JAN 25.

LOWEST STAGE (FROM INCOMPLETE RECORDS) WAS 1.67 ON SEP 10.

## DAILY STAGE FOR 1990

EABPL BORROW PIT (LS) AT RAMAH, LA.

LOCATION. LAT. 30-24-05, LONG. 91-30-37. ON BORROW PIT BRIDGE APPROXIMATELY 800 FEET NORTH OF INTERSTATE 10. (STA. 5224012D.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1935, 1937, 1944 TO 1946, AND 1953 TO 1954. DAILY, JAN. 13, 1948 TO DEC. 31, 1952, AND FEB. 21, 1956 TO DATE.

EXTREMES. HIGHEST, 12.73 FEET ON APR. 22, 1979. LOWEST, 0.29 FOOT ON JAN. 19, 1981.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD ( 1983 ADJ. )

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	5.50	5.70	5.32		3.01	3.24	3.20	1.83	1.68	1.86	2.29	2.29
2	5.20	5.60	6.09 F	3.94	2.99	3.30	3.15	1.83	1.67	2.00	2.33	2.31
3	5.00	5.53	5.69	3.90	2.98	3.28	3.14	1.85	1.80	2.05	2.48	2.93
4	5.25	6.79	5.53	3.78	3.04	3.26	3.16	1.88	1.85	2.18	2.40	3.09
5	7.65	5.75	5.39	3.67	2.97	3.22	3.13	1.82	1.80	2.20	2.48	2.94
6	6.82	5.59	5.23	3.54	2.92	3.23	3.10	1.81	1.73	2.11	2.56	2.80
7	6.58	5.55	5.13	3.42	2.81	3.24	3.00	1.72	1.80	2.16	2.41	2.84
8	6.30		5.00	3.35	2.79	3.23	2.92	1.70	1.79	2.17	2.34	2.83
9	5.60 F	5.80	4.88	3.30	2.92	3.21	2.90	1.78	1.76	2.15	2.57	2.70
10	5.30	7.01	4.80	3.19	2.90	3.20	2.87	1.87	1.81	2.00	2.54	2.69
11	5.11	6.10	4.71	3.16	2.90	3.28	2.85	1.70	2.02	1.71	2.60	2.54
12	4.93	5.88	4.60	3.10	2.90	3.22	2.85	1.70	2.23	1.40	2.50	2.56
13	4.79	5.72	4.55	3.00	2.91	3.22	2.90	1.73	2.24	1.48	2.39	2.60
14	4.63	5.58	4.40	2.95	2.93	3.29	2.81	1.89	2.10	1.60	2.25	2.55
15	4.53	5.65	4.39	2.90	2.98	3.31	2.73	1.99	2.03	1.89	2.19	2.71
16	4.41	5.96	4.61	2.87	2.98	3.39	2.62	2.10	2.02 F	1.97	2.10	2.70
17	4.29	5.71	4.85 F	2.82	3.00	3.35	2.58	2.13	1.87	1.89	2.10	2.80
18	4.20	5.60	4.78	2.75	2.98	3.31	2.53	2.04	1.79	1.83	2.12	2.79
19	5.50	6.60	4.64	2.73	2.97	3.30	2.44	2.01	1.79	2.00	2.19	2.51
20	5.18	6.18	4.51	2.71	2.95	3.26	2.38	2.11	1.93	1.97	2.30	2.22
21	5.60	6.03	4.40	2.70	2.95	3.23	2.31	2.20	1.77	2.30	2.30	2.29
22	5.17	6.79	4.25	2.70	2.92	3.23	2.19	2.20	1.92	2.55	2.33	2.19
23	4.93	6.30	4.13	2.69	2.91	3.37	2.22	2.11	1.81	2.52	2.48	2.40
24	5.90	6.19	4.00	2.69	2.90	3.41	2.30	2.10 F	1.77	2.49	2.42	2.50
25	10.23	6.02	3.83	2.70	2.89	3.40	2.31	2.06 F	1.62	2.50	2.50	2.28
26	7.43	5.88	3.67	2.74	2.87	3.35	2.26	1.95	1.77	2.37	2.40	2.39
27	6.05	5.68	3.52	2.80	2.85	3.38	2.18	1.94	1.70	2.17	2.53	2.50
28	5.73	5.52	3.41	2.95	3.00	3.40	2.10	1.84	1.84	2.28	2.53	2.30
29	7.69	----- F	3.40	3.02	3.22	3.33	2.01	1.79	1.79	2.29	2.48	2.27
30	6.29	-----		3.02	3.25	3.28	1.95	1.72	1.79	2.25	2.32	2.40
31	5.80	-----		-----	3.20	-----	1.89	1.67	-----	2.23	-----	2.31

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	5.73	5.95	4.61	3.07	2.96	3.29	2.61	1.91	1.85	2.08	2.38	2.56
MAX	10.23	7.01	6.09	3.94	3.25	3.41	3.20	2.20	2.24	2.55	2.60	3.09
MIN	4.20	5.52	3.40	2.69	2.79	3.20	1.89	1.67	1.62	1.40	2.10	2.19
DAYS	31	27	29	29	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 361

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 3.22.

HIGHEST STAGE WAS 10.23 AT 6:30 A.M. ON JAN 25.

LOWEST STAGE WAS 1.37 ON OCT 12.

## DAILY STAGE FOR 1990

UPPER GRAND RIVER (LS) AT DIKE (LA.)

LOCATION. LAT. 30-13-33, LONG. 91-25-11. ON BRIDGE AT JUNCTION WITH EABPL BORROW PIT.  
(STA. 5228009.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1933 TO 1945. DAILY, APR. 1, 1948 TO DATE.

EXTREMES. HIGHEST, (FROM INCOMPLETE RECORD) 13.0 FEET FROM MAY 2 TO 5, 1933. LOWEST, (FROM INCOMPLETE RECORD) MINUS 0.1 FOOT ON JAN. 27, 1940.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		5.80	5.54	4.04					1.57		2.59	2.65
2		5.77	5.48	3.90					1.92		2.60	2.61
3		5.74	5.70	3.76					2.49	2.23	2.62	3.16
4		5.80	5.68	3.76					2.44	2.12	2.61	3.56
5		5.44	5.55	3.81					2.18	2.28	2.64	3.45
6		5.55	5.42	3.72					2.26	2.22	2.98	3.28
7		5.65		3.71					1.99	2.28	2.83	3.34
8		5.63	5.23	3.51					2.03	2.19	2.71	3.36
9		5.82	5.08	3.66					1.87	1.93	2.83	3.29
10		6.03	4.97	3.52					1.83	2.13	3.04	3.13
11		6.04	4.70	3.40					2.19	2.21	3.20	3.10
12		5.88	4.25	3.33					2.86	1.97	2.97	3.11
13		5.90	4.04	3.33					3.07	2.05	2.82	3.13
14		5.85	3.91	3.25					2.93	2.13	2.63	3.02
15		5.81	3.77	3.21					2.94	2.36	2.51	3.11
16		5.88	3.80	3.32					2.69	2.43	2.38	3.14
17		5.63	4.57	3.09				2.13	2.39	2.17	2.44	3.09
18		5.39	4.65					1.51	1.97	2.21	2.46	3.03
19		6.07	4.62					1.27	2.08	2.32	2.53	3.09
20		6.24	4.36					2.09	2.13	2.30	2.53	2.43
21		6.21	4.27					2.03	1.97	2.57	2.49	2.39
22		6.36	4.31					2.15	1.97	2.76	2.47	2.26
23		6.44	4.18					1.96	1.91	2.68	2.61	3.11
24		6.33	4.02					2.30		2.70	2.67	4.67
25		6.19	3.91					1.75		2.80	2.72	3.68
26	5.87	6.00	3.68					1.45		2.74	2.57	3.07
27	5.85	5.83	3.55					1.54		2.58	2.56	3.11
28	5.72	5.72	3.56					0.95		2.67	2.65	2.91
29	5.74	-----	3.37					1.22		2.66	2.57	2.77
30	5.91	-----	3.63					1.41		2.61	2.57	2.68
31	5.85	-----	3.85	-----		-----		1.39	-----	2.65	-----	2.96

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	5.82	5.89	4.45	3.55				1.68	2.25	2.38	2.66	3.09
MAX	5.91	6.44	5.70	4.04				2.30	3.07	2.80	3.20	4.67
MIN	5.72	5.39	3.37	3.09				0.95	1.57	1.93	2.38	2.26
DAYS	6	28	30	17	0	0	0	15	23	29	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 209

THE MEAN STAGE FOR THE YEAR WAS 3.42.

HIGHEST STAGE WAS 6.44 AT 6:00 A.M. ON FEB 23 AND LATER DATE(S).

LOWEST STAGE WAS 0.95 ON AUG 28.

## DAILY STAGE FOR 1990

BAYOU GROSSE TETE AT FRISCOVILLE, LA.

LOCATION. LAT. 30-35-06, LONG. 91-31-31. HIGHWAY 78 BRIDGE, 2.5 MILES NORTHEAST OF LIVONIA, LA.  
(STA. 5232012B.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. FEB. 21, 1956 TO DATE.

EXTREMES. HIGHEST, 19.09 FEET ON APR. 8, 1983. LOWEST, CHANNEL DRY ON SEP. 13, 1963 AND LATER DATES.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	12.86	15.28	7.60	7.13	6.52	6.74	6.36	6.25	6.13	6.18	6.18	6.20
2	11.93	14.85	12.20	6.91	6.51	6.60	6.35	6.26	6.10	6.20	6.19	6.18
3	10.33	14.41	12.03	6.90	6.50	6.52	6.37	6.25	6.08	6.19	6.18	8.49
4	11.20	15.07	10.80	6.80	6.49	6.49	6.43	6.24	6.09	6.21	6.17	10.04
5	14.30	14.43	9.25	6.74	6.48	6.49	6.40	6.22	6.13	6.22	6.20	7.20
6	14.77	14.05	8.09	6.69	6.48	6.48	6.39	6.22	6.12	6.20	6.21	6.31
7	15.10	13.73	7.46	6.68	6.46	6.49	6.38	6.27	6.10	6.20	6.23	6.42
8	15.10	13.28	7.29	6.64	6.49	6.47	6.37	6.24	6.07	6.20	6.22	6.50
9	14.71	13.58	7.16	6.60	6.67	6.45	6.37	6.22	6.04	6.20	6.31	6.30
10	14.25	14.45	7.10	6.57	6.61	6.44	6.42	6.21	6.04	6.20	6.27	6.25
11	13.78	14.29	7.09	6.62	6.50	6.63	6.40	6.20	6.07	6.20	6.23	6.20
12	13.23	13.95	7.04	6.60	6.46	6.57	6.43	6.20	6.08	6.19	6.21	6.27
13	12.41	13.50	7.00	6.57	6.47	6.55	6.40	6.19	6.10	6.18	6.22	6.29
14	10.95	12.98	6.95	6.53	6.49	6.46	6.38	6.20	6.11	6.17	6.19	6.30
15	9.17	12.19	6.97	6.67	6.50	6.43	6.35	6.20	6.18	6.16	6.19	6.29
16	7.47	13.53	7.35	6.65	6.49	6.40	6.34	6.20	6.20	6.19	6.19	6.28
17	7.10	13.46	7.89	6.57	6.48	6.38	6.36	6.20	6.20	6.18	6.18	6.27
18	7.09	12.99	7.38	6.52	6.47	6.35	6.36	6.19	6.21	6.19	6.17	6.29
19	12.59	13.38	7.10	6.50	6.43	6.38	6.38	6.20	6.22	6.19	6.17	6.29
20	12.00	12.99	6.95	6.49	6.40	6.39	6.38	6.20	6.30	6.18	6.19	6.28
21	12.69	12.20	6.85	6.48	6.42	6.40	6.34	6.22	6.23	6.17	6.18	6.30
22	11.95	13.20	6.80	6.47	6.40	6.40	6.35	6.18	6.22	6.21	6.19	7.00
23	10.45	12.80	6.78	6.50	6.40	6.40	6.33	6.20	6.24	6.19	6.20	9.70
24	12.89	11.88	6.72	6.50	6.40	6.36	6.37	6.19	6.21	6.18	6.20	7.30
25	16.00	10.62	6.69	6.51	6.40	6.35	6.36	6.18	6.21	6.17	6.20	6.52
26	16.37	9.37	6.68	6.52	6.42	6.35	6.36	6.17	6.21	6.16	6.19	6.42
27	16.33	8.47	6.65	6.50	6.43	6.38	6.31	6.17	6.20	6.16	6.20	6.39
28	16.03	7.95	6.63	6.71	6.57	6.47	6.30	6.19	6.20	6.15	6.49	6.43
29	16.34	-----	6.63	6.54	6.74	6.40	6.29	6.17	6.20	6.15	6.49	6.46
30	16.12	-----	7.92	6.55	6.48	6.37	6.28	6.18	6.19	6.18	6.29	6.56
31	15.70	-----	7.72	-----	6.44	-----	6.29	6.17	-----	6.18	-----	6.60

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	12.94	12.96	7.64	6.62	6.48	6.45	6.36	6.21	6.16	6.18	6.22	6.72
MAX	16.37	15.28	12.20	7.13	6.74	6.74	6.43	6.27	6.30	6.22	6.49	10.04
MIN	7.09	7.95	6.63	6.47	6.40	6.35	6.28	6.17	6.04	6.15	6.17	6.18
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 7.55.  
 HIGHEST STAGE WAS 16.41 AT 6:00 P.M. ON JAN 26.  
 LOWEST STAGE WAS 6.01 ON SEP 11.

## DAILY STAGE FOR 1990

FALSE RIVER AT NEW ROADS, LA.

LOCATION. LAT. 30-41-28, LONG. 91-26-18. ON NORTH BANK AT SOUTH END OF MORRISON PARKWAY,  
NEW ROADS, LA. (BEHIND MORGAN DEPARTMENT STORE). (STA. 5233009.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO FEB. 15, 1966, GAGE WAS MAINTAINED BY U. S. GEOLOGICAL SURVEY AND  
DATUM OF GAGE WAS 13.32 FEET NGVD.

RECORDS AVAILABLE. AUG. 13, 1963 TO DATE.

EXTREMES. HIGHEST, 21.10 FEET (FROM INCOMPLETE RECORD) ON APR. 24, 1979. LOWEST, 14.10 FEET ON  
NOV. 9, 1990.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		18.00	16.48	15.51	15.25	15.19	14.81	14.68	14.38	14.30	14.13	14.30
2	F 15.28	17.85	16.55	15.51	15.22	15.20	14.80	14.67	14.35	14.31	14.12	14.30
3	15.25	17.68	16.55	15.50	15.20	15.20	14.80	14.65	14.34	14.30	14.11	14.62
4	15.45	18.00	16.49	15.49	15.20	15.19	14.90	14.66	14.36	14.32	14.11	14.73
5	15.98	18.05	16.41	15.45	15.12	15.16	14.92	14.64	14.37	14.30	14.12	14.77
6	16.27	17.95	16.31	15.40	15.11	15.15	14.91	14.63	14.34	14.32	14.16	14.78
7	16.40	17.80	16.25	15.37	15.12	15.13	14.90	14.65	14.33	14.31	14.13	14.84
8	16.55	17.65	16.18	15.31	15.10	15.10	14.88	14.64	14.31	14.30	14.12	14.85
9	16.55	17.61	16.10	15.31	15.19	15.09	14.89	14.61	14.30	14.33	14.10	14.84
10	16.49	17.70	16.06	15.21	15.15	15.07	14.87	14.60	14.30	14.28	14.17	14.83
11	16.40	17.75	16.00	15.22	15.12	15.13	14.85	14.59	14.30	14.25	14.16	14.87
12	16.29	17.62	15.99	15.22	15.10	15.10	14.85	14.58	14.31	14.21	14.15	14.83
13	16.15	17.50	15.91	15.22	15.10	15.07	14.86	14.56	14.35	14.20	14.18	14.81
14	16.05	17.33	15.88	15.19	15.11	15.08	14.81	14.57	14.35	14.20	14.15	14.81
15	15.97	17.27	15.88	15.20	15.10	15.05	14.80	14.51	14.42	14.20	14.15	14.80
16	15.90	17.44	15.89	15.20	15.10	15.02	14.77	14.51	14.40	14.21	14.15	14.80
17	15.85	17.40	15.89	15.21	15.12	15.00	14.79	14.50	14.40	14.17	14.15	14.75
18	15.80	17.30	15.85	15.19	15.05	14.98	14.78	14.50	14.41	14.17	14.13	14.75
19	15.95	17.34	15.83	15.18	15.05	14.99	14.78	14.49	14.41	14.14	14.12	14.71
20	15.95	17.30	15.74	15.14	15.02	14.96	14.75	14.48	14.47	14.14	14.16	14.72
21	15.99	17.19	15.69	15.11	15.05	14.95	14.75	14.48	14.45	14.13	14.13	14.70
22	15.95	17.29	15.63	15.11	15.00	14.94	14.74	14.46	14.44	14.20	14.14	17.90
23	15.91	17.28	15.60	15.14	14.95	14.92	14.72	14.48	14.42	14.22	14.15	14.92
24	16.15	17.17	15.55	15.12	14.92	14.90	14.75	14.46	14.38	14.20	14.14	14.92
25	17.30	17.00	15.50	15.11	14.91	14.89	14.72	14.45	14.38	14.18	14.13	14.90
26	17.90	16.85	15.49	15.15	14.90	14.89	14.72	14.43	14.37	14.17	14.12	14.86
27	18.11	16.71	15.43	15.18	14.90	14.83	14.70	14.41	14.35	14.16	14.15	14.84
28	18.10	16.60	15.41	15.21	15.05	14.83	14.70	14.42	14.35	14.15	14.34	14.86
29	18.21	-----	15.40	15.21	15.08	14.81	14.69	14.42	14.33	14.14	14.31	14.85
30	18.28	-----	15.50	15.24	15.09	14.82	14.68	14.42	14.31	14.12	14.30	14.88
31	18.18	-----	15.50	-----	15.08	-----	14.68	14.40	-----	14.13	-----	14.83

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	16.49	17.45	15.90	15.25	15.08	15.02	14.79	14.53	14.37	14.22	14.16	14.88
MAX	18.28	18.05	16.55	15.51	15.25	15.20	14.92	14.68	14.47	14.33	14.34	17.90
MIN	15.25	16.60	15.40	15.11	14.90	14.81	14.68	14.40	14.30	14.12	14.10	14.30
DAYS	30	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 364

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 15.16.

HIGHEST STAGE WAS 18.29 AT 7:30 A.M. ON JAN 30.

LOWEST STAGE WAS 14.10 ON NOV 9.



## DAILY STAGE FOR 1990

BAYOU GROSSE TETE NEAR TORBERT, LA.

LOCATION. LAT. 30-34-06, LONG. 91-29-23. STATE HIGHWAY 978 BRIDGE, 1.1 MILES NORTH OF TORBERT, LA.  
(STA. 5234209.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. FEB. 18, 1965 TO DATE.

EXTREMES. HIGHEST, 18.73 FEET ON APR. 8, 1983. LOWEST, (FROM INCOMPLETE RECORD) 3.86 FEET ON JUNE 1, 1965.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	12.62	15.10	7.94	7.16	6.56	6.67	6.28	6.14	6.10	5.41	5.57	6.10
2	11.72	14.68	12.10	6.95	6.53	6.61	6.27	6.14	6.09	5.40	5.58	6.07
3	10.12	14.23	11.94	6.88	6.50	6.53	6.27	6.13	6.05	5.40	5.59	7.49
4	11.10	15.25	10.70	6.79	6.47	6.50	6.42	6.13	6.02	5.45	5.60	9.91
5	14.52	14.30	9.21	6.72	6.47	6.51	6.39	6.13	6.07	5.46	5.65	7.01
6	14.70	13.87	8.20	6.68	6.46	6.48	6.34	6.13	6.05	5.45	5.64	6.05
7	15.05	13.55	7.77	6.67	6.42	6.43	6.35	6.20	6.00	5.43	5.64	6.25
8	14.98	13.08	7.58	6.60	6.44	6.41	6.34	6.17	6.00	5.41	5.64	6.22
9	14.55	13.48	7.41	6.59	6.60	6.40	6.36	6.14	5.99	5.41	5.80	6.08
10	14.00	14.59	7.39	6.55	6.60	6.40 F	6.37	6.13	5.99	5.40	5.79	6.00
11	13.53	14.11	7.31	6.63	6.50	6.50	6.31	6.14	5.96	5.40	5.79	6.00
12	13.00	13.75	7.21	6.59	6.45	6.52	6.31	6.12	5.83	5.39	5.79	6.10
13	12.19	13.30	7.20	6.68	6.47	6.50	6.31	6.12	5.77	5.39	5.79	6.13
14	10.75	12.76	7.15	6.54	6.47	6.47	6.27	6.12	5.70	5.39	5.80	6.17
15	9.00	12.15	7.20	6.60	6.46	6.43	6.25	6.11	5.70	5.39	5.82	6.15
16	7.60	13.44	7.57	6.60	6.45	6.47	6.25	6.10	5.64	5.40	5.88	6.13
17	7.23	13.28	8.05	6.55	6.47	6.38	6.26	6.10	5.60	5.40	5.90	6.12
18	7.20	12.79	7.52	6.50	6.46	6.37	6.24	6.10	5.58	5.41	5.91	6.11
19	12.49	13.34	7.23	6.44	6.43	6.37	6.30	6.11	5.60	5.41	5.92	6.11
20	11.89	12.80	7.06	6.41	6.40	6.36	6.23	6.12	6.04	5.41	5.94	6.10
21	12.60	12.02	6.96	6.40	6.40	6.35	6.21	6.14	5.90	5.42	5.96	6.12
22	11.85	13.20	6.89	6.40	6.40	6.35 F	6.22	6.11	5.79	5.60	5.98	6.49
23	10.41	12.65	6.81	6.40	6.32	6.34		6.13	5.76	5.60	5.99	9.51
24	13.05	11.77	6.80	6.41	6.30	6.33 F	6.23	6.12	5.69	5.60	5.99	7.28
25	16.32	10.50	6.73	6.44	6.30	6.30	6.23	6.11	5.63	5.59	6.00	6.38
26	16.20	9.32	6.70	6.50	6.31	6.30	6.20	6.11	5.55	5.58	6.00	6.27
27	16.09	8.62	6.66	6.51	6.33	6.29	6.20	6.11	5.52	5.58	6.00	6.20
28	15.78	8.20	6.63	6.70	6.45	6.38	6.20	6.16	5.50	5.58	6.09	6.24
29	16.35	-----	6.64	6.60	6.62	6.29	6.19	6.10	5.48	5.58	6.17	6.29
30	15.90	-----	7.79	6.55	6.47	6.28	6.18	6.10	5.44	5.59	6.14	6.30
31	15.50	-----	7.77	-----	6.40	-----	6.17	6.10	-----	5.55	-----	6.41

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	12.85	12.86	7.75	6.60	6.45	6.42	6.27	6.12	5.80	5.47	5.85	6.51
MAX	16.35	15.25	12.10	7.16	6.62	6.67	6.42	6.20	6.10	5.60	6.17	9.91
MIN	7.20	8.20	6.63	6.40	6.30	6.28	6.17	6.10	5.44	5.39	5.57	6.00
DAYS	31	28	31	30	31	30	30	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 364

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 7.38.

HIGHEST STAGE WAS 16.40 AT 3:00 A.M. ON JAN 25.

LOWEST STAGE WAS 5.38 ON OCT 13 AND LATER DATE(S).

## DAILY STAGE FOR 1990

BAYOU GROSSE TETE AT LIVONIA, LA.

LOCATION. LAT. 30-33-32, LONG. 91-33-24. ON BRIDGE (BETWEEN HIGHWAYS 77 AND 78) IN FRONT OF LIVONIA HIGH SCHOOL. (STA. 5235612B.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. FEB. 19, 1965 TO DATE.

EXTREMES. HIGHEST, 18.58 FEET ON APR. 8, 1983. LOWEST, 2.05 FEET (FROM INCOMPLETE RECORD) ON JUN. 29, 1965.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	12.45	14.82	7.11	6.94	6.55	6.72	6.40	6.32	6.21	6.23	6.24	6.28
2	11.56	14.40	11.39	6.80	6.54	6.63	6.40	6.32	6.20	6.25	6.27	6.24
3	10.00	14.00	11.60	6.78	6.53	6.55	6.42	6.31	6.19	6.25	6.27	7.65
4	9.65	14.55	10.35	6.70	6.53	6.53	6.50	6.31	6.20	6.30	6.27	9.70
5	13.83	14.01	8.84	6.65	6.52	6.51	6.46	6.31	6.18	6.30	6.30	7.02
6	14.30	13.65	7.75	6.61	6.53	6.50	6.44	6.31	6.16	6.30	6.30	6.38
7	14.60	13.25	7.17	6.63	6.53	6.50	6.43	6.37	6.12	6.30	6.27	6.48
8	14.65	12.79	7.04	6.60	6.53	6.50	6.43	6.30	6.10	6.29	6.25	6.50
9	14.25	13.10	6.99	6.57	6.66	6.50	6.44	6.28	6.10	6.30	6.33	6.33
10	13.85	13.88	6.98	6.57	6.64	6.49	6.50	6.29	6.09	6.28	6.31	6.28
11	13.35	13.83	6.97	6.60	6.54	6.60	6.42	6.28	6.13	6.27	6.30	6.25
12	12.82	13.50	6.94	6.58	6.52	6.55	6.45	6.27	6.13	6.26	6.28	6.37
13	12.01	13.09	6.83	6.57	6.53	6.61	6.42	6.25	6.10	6.26	6.27	6.38
14	10.53	12.51	6.80	6.55	6.55	6.53	6.40	6.28	5.15	6.26	6.25	6.39
15	8.73	11.73	6.80	6.65	6.54	6.51	6.40	6.28	6.22	6.27	6.25	6.38
16	7.12	13.04	7.04	6.62	6.53	6.50	6.40	6.28	6.24	6.29	6.25	6.38
17	6.92	13.00	7.40	6.56	6.53	6.49	6.42	6.28	6.25	6.25	6.26	6.38
18	6.93	12.50	7.09	6.53	6.52	6.48	6.40	6.29	6.28	6.28	6.27	6.35
19	12.03	12.95	6.91	6.52	6.50	6.45	6.40	6.30	6.28	6.27	6.26	6.31
20	11.60	12.55	6.80	6.52	6.49	6.45	6.40	6.30	6.33	6.27	6.29	6.32
21	12.25	11.83	6.72	6.52	6.49	6.43	6.40	6.31	6.28	6.28	6.28	6.34
22	11.59	12.71	6.70	6.51	6.48	6.43	6.40	6.24	6.27	6.31	6.29	6.90
23	10.11	12.41	6.69	6.53	6.47	6.45	6.40	6.26	6.30	6.29	6.30	9.20
24	11.70	11.55	6.67	6.50	6.45	6.42	6.43	6.24	6.29	6.22	6.31	7.04
25	15.35	10.33	6.64	6.51	6.47	6.41	6.41	6.24	6.26	6.21	6.32	6.57
26	15.92	9.01	6.61	6.52	6.49	6.42	6.40	6.23	6.23	6.22	6.30	6.49
27	15.88	8.10	6.60	6.51	6.50	6.40	6.39	6.23	6.22	6.23	6.25	6.43
28	15.55	7.48	6.59	6.69	6.58	6.49	6.37	6.25	6.22	6.23	6.50	6.50
29	15.87	-----	6.60	6.58	6.73	6.41	6.37	6.25	6.23	6.24	6.50	6.50
30	15.65	-----	7.31	6.56	6.53	6.40	6.34	6.22	6.23	6.25	6.34	6.60
31	15.25	-----	7.30	-----	6.50	-----	6.36	6.22	-----	6.24	-----	6.62

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	12.46	12.52	7.39	6.60	6.53	6.50	6.41	6.28	6.21	6.26	6.30	6.70
MAX	15.92	14.82	11.60	6.94	6.73	6.72	6.50	6.37	6.33	6.31	6.50	9.70
MIN	6.92	7.48	6.59	6.50	6.45	6.40	6.34	6.22	6.09	6.21	6.24	6.24
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 7.48.  
 HIGHEST STAGE WAS 15.97 AT 3:00 P.M. ON JAN 26.  
 LOWEST STAGE WAS 6.08 ON SEP 10.

## DAILY STAGE FOR 1990

BAYOU GROSSE TETE AT ROSEDALE, LA.

LOCATION. LAT. 30-26-33, LONG. 91-27-06. STATE HIGHWAY 76 BRIDGE. (STA. 5236009.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U.S. GEOLOGICAL SURVEY SINCE JUN. 15, 1983.

RECORDS AVAILABLE. FEB. 19, 1965 TO JUN. 21, 1972 AND JUN. 23, 1973 TO DATE.

EXTREMES. HIGHEST, 14.35 FEET ON APR. 8, 1983. LOWEST, MINUS 0.10 FOOT ON DEC. 24, 1989.

## MEAN DAILY STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	8.31	10.35	5.16	3.68	2.21	2.57	2.32	0.98	0.81	1.05	1.40	1.37
2	7.64	10.02	7.29	3.25	2.15	2.54	2.27	0.99	0.86	1.16	1.52	1.45
3	6.53	9.83	8.01	3.09	2.17	2.48	2.26	1.00	1.06	1.16	1.60	3.20
4	7.09	10.15	7.24	2.94	2.18	2.46	2.32	1.01	0.92	1.30	1.59	5.71
5	9.60	9.78	6.25	2.80	2.12	2.44	2.27	0.97	0.79	1.32	1.63	4.18
6	9.83	9.44	5.45	2.70	2.06	2.45	2.20	0.85	0.92	1.22	1.64	2.31
7	10.08	9.17	4.93	2.60	2.00	2.44	2.10	0.82	0.92	1.24	1.55	2.13
8	10.17	8.94	4.56	2.53	1.97	2.42	2.02	1.20	0.91	1.31	1.52	2.16
9	9.80	9.13	4.32	2.41	2.16	2.42	2.03	1.27	0.85	1.28	1.71	1.86
10	9.41	9.69	4.24	2.36	2.17	2.43	2.00	0.97	0.97	1.10	1.70	1.69
11	8.99	9.73	4.15	2.33	2.07	2.50	1.95	0.86	1.25	0.77	1.70	1.61
12	8.55	9.42	3.98	2.24	2.06	2.58	2.01	0.92	1.35	0.57	1.58	1.68
13	7.93	9.08	3.84	2.18	2.06	2.58	2.01	0.97	1.32	0.61	1.49	1.72
14	6.91	8.66	3.70	2.14	2.12	2.50	1.88	0.99	1.19	0.75	1.30	1.72
15	5.61	8.43	3.69	2.19	2.13	2.48	1.75	1.23	1.19	0.97	1.23	1.82
16	4.29	9.07	4.31	2.15	2.13	2.47	1.63	1.28	1.12	1.01	1.17	1.85
17	3.36	9.04	4.89	2.05	2.12	2.46	1.59	1.19	0.97	0.95	1.15	1.91
18	3.59	8.82	4.57	1.94	2.10	2.43	1.50	1.06	0.90	0.97	1.20	1.88
19	7.34	9.28	4.10	1.90	2.10	2.42	1.44	1.06	0.89	1.03	1.30	1.60
20	7.71	8.94	3.78	1.86	2.10	2.40	1.40	1.29	1.04	1.09	1.39	1.37
21	8.06	8.43	3.55	1.84	2.11	2.38	1.38	1.30	0.96	1.52	1.39	1.35
22	7.71	8.97	3.38	1.81	2.07	2.41	1.38	1.18	1.03	1.74	1.49	2.02
23	6.74	8.83	3.23	1.81	2.03	2.56	1.41	1.19	0.99	1.58	1.54	5.00
24	7.82	8.20	3.06	1.82	2.02	2.60	1.44	1.12	0.89	1.54	1.56	4.03
25	10.92	7.36	2.91	1.90	2.01	2.55	1.38	0.97	0.81	1.56	1.58	2.26
26	11.19	6.47	2.77	2.12	2.03	2.52	1.26	0.96	0.84	1.47	1.54	1.73
27	11.08	5.83	2.64	2.26	2.09	2.54	1.15	0.89	0.86	1.32	1.62	1.69
28	10.84	5.43	2.55	2.34	2.24	2.52	1.09	0.67	0.93	1.37	1.72	1.55
29	11.20	-----	2.49	2.43	2.36	2.42	1.12	0.73	0.95	1.37	1.69	1.59
30	11.03	-----	3.63	2.29	2.27	2.38	1.06	0.78	0.98	1.36	1.47	1.70
31	10.69	-----	4.38	-----	2.30	-----	1.00	0.78	-----	1.36	-----	1.78

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	8.39	8.80	4.29	2.34	2.12	2.48	1.70	1.02	0.98	1.20	1.50	2.19
MAX	11.20	10.35	8.01	3.68	2.36	2.60	2.32	1.30	1.35	1.74	1.72	5.71
MIN	3.36	5.43	2.49	1.81	1.97	2.38	1.00	0.67	0.79	0.57	1.15	1.35
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 3.05.  
 HIGHEST STAGE WAS 11.26 AT 6:45 P.M. ON JAN 29.  
 LOWEST STAGE WAS 0.52 ON OCT 12.

## DAILY STAGE FOR 1990

CHOCTAW BAYOU NEAR ROSEDALE, LA.

LOCATION. LAT. 30-28-36, LONG. 91-23-16. ON HIGHWAY 76 BRIDGE OVER BAYOU CHAPLIN, 4.6 MILES  
NORTHEAST OF ROSEDALE, LA. (STA. 5239009.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. FEB. 19, 1965 TO DATE.

EXTREMES. HIGHEST, 13.81 FEET ON APR. 23, 1979. LOWEST, 0.28 FOOT ON JAN. 18, 1981.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	4.57	6.09	5.30	3.70	2.89	3.30	3.13	1.68	1.51	2.00	2.26	2.13
2	4.00	5.89	6.61	3.61	2.74	3.10	3.04	1.79	1.54	2.15	2.40	2.19
3	3.58	5.79	5.89	3.90	2.87	3.20	2.99	1.80	1.94	2.00	2.48	3.44
4	3.80	7.70	5.67	3.65	2.91	3.15	3.00	1.71	1.80	2.10	2.38	3.02
5	6.39	6.22	5.53	3.63	2.75	3.20	2.94	1.77	1.50	2.12	2.50	2.86
6	5.78	5.89	5.45	3.39	2.90	3.19	2.98	1.60	1.71	2.00	2.61	2.75
7	5.99	5.78	5.10	3.40	2.68	3.09	2.89	1.54	1.64	2.15	2.43	2.86
8	5.83	5.65	4.90	3.52	2.71	3.09	2.90	2.10	1.70	2.14	2.30	2.73
9	5.03	6.20	4.90	3.21	2.84	3.10	2.79	1.97	1.60	2.02	2.60	2.64
10	4.56	7.89	4.79	3.20	2.75	3.15	2.77	1.72	1.90	1.89	2.49	2.40
11	4.37	6.48	4.80	3.05	2.78	3.29	2.70	1.57	2.00	1.58	2.50	2.45
12	4.15	6.10	4.60	3.10	2.81	3.22	2.80	1.80	2.23	1.35	2.32	2.40
13	3.88	6.00	4.50	2.96	2.85	3.23	2.78	1.70	2.20	1.67	2.31	2.60
14	3.72	5.75	4.49	3.00	2.76	3.40	2.66	2.05	1.95	1.45	2.10	2.49
15	3.50	5.72	4.28	2.87	2.82	3.30	2.60	2.03	2.02	1.75	2.06	2.62
16	3.42	6.37	4.68	3.00	3.00	3.16	2.32	2.01	1.99	1.79	1.95	2.69
17	3.20	5.99	4.76	2.98	2.81	3.39	2.33	2.01	1.79	1.78	2.04	2.70
18	3.10	5.78	4.60	2.90	2.79	3.28	2.29	1.80	1.80	1.75	1.99	2.64
19	4.52	7.19	4.60	2.61	2.79	3.10	2.28	1.81	1.80	1.90	2.13	2.31
20	4.29	6.50	4.34	2.69	3.00	3.12	2.12	2.17	1.85	1.91	2.20	2.20
21	4.91	6.20	4.18	2.48	3.00	3.21	2.11	2.00	1.69	2.25	2.26	2.31
22	4.55	8.00	4.00	2.47	2.85	3.35	2.12	2.00	1.81	2.44	2.50	2.10
23	4.35	6.60	3.90	2.58	2.84	3.40	2.20	2.10	1.75	2.40	2.40	2.21
24	5.52	6.40	3.68	2.60	2.70	3.55	2.30	1.83	1.77	2.35	2.39	2.41
25	10.31	6.04	3.59	2.55	2.70	3.25	2.17	1.85	1.54	2.30	2.40	2.20
26	7.30	5.85	3.68	2.81	2.71	3.25	1.99	1.67	1.60	2.17	2.36	2.23
27	6.45	5.74	3.33	2.80	2.80	3.30	1.90	1.69	1.61	2.00	2.32	2.31
28	6.11	5.54	3.27	3.15	2.90	3.40	1.83	1.37	1.70	2.29	2.32	2.27
29	8.54	-----	3.22	3.00	2.91	3.11	1.89	1.47	1.69	2.25	2.37	2.10
30	6.79	-----	4.01	2.91	3.00	3.29	1.90	1.52	2.11	2.22	2.09	2.40
31	6.30	-----	3.75	-----	2.93	-----	1.74	1.69	-----	2.13	-----	2.18

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	5.12	6.26	4.53	3.06	2.83	3.24	2.47	1.80	1.79	2.01	2.32	2.48
MAX	10.31	8.00	6.61	3.90	3.00	3.55	3.13	2.17	2.23	2.44	2.61	3.44
MIN	3.10	5.54	3.22	2.47	2.68	3.09	1.74	1.37	1.50	1.35	1.95	2.10
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 3.14.  
 HIGHEST STAGE WAS 10.39 AT 5:30 A.M. ON JAN 25.  
 LOWEST STAGE WAS 1.20 ON OCT 12.

## DAILY STAGE FOR 1990

## INTRACOASTAL WATERWAY AT PORT ALLEN LOCK (LA.)

LOCATION. LAT. 30-25-55, LONG. 91-12-37. ON WEST END OF LOCK (MORGAN CITY-PORT ALLEN ROUTE),  
1.5 MILES SOUTH OF PORT ALLEN, LA. (STA. 5241509.)

GAGE, AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO 1975 GAGE ZERO WAS MINUS 0.52 FOOT, NGVD.

RECORDS AVAILABLE. JULY 14, 1961 TO DATE.

EXTREMES. HIGHEST, 9.65 FEET ON APR. 13, 1980. LOWEST, 0.25 FOOT ON DEC. 24, 1989.  
EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3.97	5.65	5.35	3.80	3.15	3.20	3.10	1.85	1.70	1.95	2.37	2.35
2	3.64	5.50	5.80	3.65	2.95	3.25	3.15	1.90	1.73	2.30	2.90	2.40
3	3.49	5.45	5.60	3.70	2.75	3.20	3.20	1.85	2.10	2.05	2.35	3.53
4	3.42	5.80	5.25	3.60	3.13	3.25	3.10	1.90	1.88	2.20	2.75	3.18
5	4.50	5.85	5.40	3.55	2.90	3.30	3.05	2.00	1.85	2.19	2.70	2.95
6	4.52	5.50	5.60	3.45	3.00	3.17	3.05	1.80	2.05	2.15	2.60	2.83
7	4.75	5.65	5.10	3.40	2.90	3.35	2.90	1.65	1.85	2.15	2.60	2.88
8	4.80	5.40	4.70	3.15	2.80	3.50	2.85	2.60	1.80	2.50	2.57	3.35
9	4.43	5.55	4.60	3.10	2.80	3.50	2.85	2.15	1.73	2.10	2.73	2.70
10	4.10	6.50	4.70	3.17	2.90	3.30	2.90	1.85	2.00	2.02	2.65	2.55
11	4.10	5.86	4.50	3.09	2.95	3.25	2.73	1.75	2.30	1.75	2.65	2.52
12	3.95	5.70	4.30	3.00	2.80	3.40	2.85	1.83	2.45	1.50	2.53	2.52
13	3.62	5.70	4.30	2.98	3.00	3.20	2.82	1.85	2.40	1.70	2.41	2.63
14	3.60	5.50	4.10	2.95	3.00	3.30	2.80	2.20	2.15	2.07	2.23	2.57
15	3.44	5.50	4.20	3.00	3.10	3.30	2.65	2.15	2.40	1.85	2.20	2.65
16	3.27	5.80	4.70	3.00	2.90	3.30	2.52	2.23	2.15	1.95	2.13	2.75
17	3.20	5.50	4.60	2.90	3.00	3.30	2.45	2.05	1.90	1.83	2.20	2.84
18	3.17	5.50	4.50	2.65	2.95	3.25	2.37	1.95	1.95	1.87	2.20	2.77
19	3.95	6.20	4.85	2.65	3.20	3.30	2.30	1.97	1.95	2.05	2.35	2.44
20	3.90	6.15	4.40	2.66	2.90	3.00	2.30	2.30	2.00	2.05	2.40	2.75
21	4.35	6.00	4.20	2.72	2.90	3.20	2.24	2.14	1.80	2.45	2.37	2.35
22	4.30	6.60	4.10	2.53	3.10	3.25	2.21	2.15	2.00	2.65	2.86	2.15
23	4.21	6.25	3.85	2.55	2.85	3.50	2.36	2.65	1.89	2.50	2.60	2.35
24	4.40	6.10	3.85	2.55	3.15	3.45	2.30	2.04	1.92	2.53	2.55	2.50
25	6.35	6.00	3.55	2.57	2.90	3.50	2.30	1.96	1.75	2.50	2.62	2.30
26	5.80	5.65	3.35	2.85	3.05	3.50	2.15	1.90	1.77	2.30	2.50	2.31
27	5.65	5.50	3.30	3.00	2.85	3.25	2.10	1.77	1.75	2.13	2.52	2.40
28	5.50	5.25	3.40	3.15	2.80	3.35	1.85	1.55	2.00	2.45	2.56	2.35
29	6.05	-----	3.25	3.20	2.95	3.20	2.00	1.60	2.34	2.25	2.53	2.30
30	5.80	-----	3.80	3.10	3.10	3.15	1.90	1.70	2.50	2.35	2.30	2.43
31	5.75	-----	3.73	-----	3.00	-----	1.90	1.95	-----	2.30	-----	2.35

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	4.39	5.77	4.42	3.06	2.96	3.30	2.56	1.98	2.00	2.15	2.50	2.61
MAX	6.35	6.60	5.80	3.80	3.20	3.50	3.20	2.65	2.50	2.65	2.90	3.53
MIN	3.17	5.25	3.25	2.53	2.75	3.00	1.85	1.55	1.70	1.50	2.13	2.15
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
THE MEAN STAGE FOR THE YEAR WAS 3.12.  
HIGHEST STAGE WAS 6.60 AT 2:00 A.M. ON FEB 22.  
LOWEST STAGE WAS 1.35 ON AUG 28.

## DAILY STAGE FOR 1990

## INTRACOASTAL WATERWAY AT MORLEY, LA.

LOCATION. LAT. 30-23-42, LONG. 91-19-23. ON SOUTHEAST GUIDE WALL OF RAILROAD BRIDGE.  
(STA. 5244109.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. NOV. 1966 TO DATE. FOR RECORDS, 1941 TO 1942 AND 1953 TO 1967, REFER TO GAGE  
ON CHOCTAW BAYOU AT MORLEY.

EXTREMES. HIGHEST, 10.41 FEET ON APR. 14, 1980. LOWEST, 0.95 FOOT ON DEC. 24, 1989.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G. (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	4.74	6.57	6.05	4.47	3.64	4.05	3.90	2.57	2.38	3.00	3.27	2.96
2	4.38	6.28	6.41	4.42	3.55	3.95	3.87	2.60	2.40	3.08	3.20	3.05
3	4.24	6.25	6.45	4.30	3.60	4.30	3.82	2.58	2.73	2.85	3.30	4.05
4	4.10	6.58	6.35	4.27	3.78	4.35	3.85	2.65	2.55	3.00	3.35	3.83
5	5.23	6.60	6.05	4.20	3.58	3.94	3.81	2.62	2.54	3.00	3.38	3.66
6	5.30	6.30	5.86	4.08	3.50	4.01	3.75	2.45	2.80	2.87	3.37	3.53
7	5.45	6.25	5.72	4.05	3.75	4.30	3.63	2.45	2.60	2.94	3.26	3.60
8	5.55	6.19	5.60	4.03	3.37	3.91	3.87	2.95	2.60	3.09	3.20	3.90
9	5.18	6.40	5.40	3.90	3.50	4.00	3.60	2.98	2.55	2.89	3.45	3.53
10	4.95	6.90	5.40	3.77	3.70	4.20	3.65	2.57	2.78	2.77	3.35	3.27
11	4.90	6.68	5.25	3.77	3.55	3.96	3.45	2.35	2.90	2.43	3.40	3.24
12	4.65	6.56	5.15	3.75	3.55	4.00	3.50	2.53	3.14	2.16	3.25	3.37
13	4.50	6.43	5.06	3.62	3.50	3.92	3.60	2.55	3.08	2.60	3.20	3.30
14	4.30	6.45	4.90	3.64	3.73	4.05	3.44	2.75	2.94	2.40	3.00	3.32
15	4.17	6.30	4.89	3.64	3.62	4.05	3.35	2.80	3.00	2.55	2.96	3.43
16	4.03	6.60	5.27	3.65	3.90	4.00	3.38	2.84	2.80	2.72	2.80	3.46
17	3.94	6.36	5.35	3.54	3.72	4.05	3.15	2.86	2.65	2.60	2.85	3.54
18	4.03	6.30	5.30	3.43	3.70	4.30	3.13	2.60	2.60	2.64	2.85	3.55
19	4.85	7.00	5.35	3.35	3.67	4.25	3.20	2.66	2.60	2.71	3.00	3.26
20	4.73	6.95	5.05	3.36	3.65	4.05	3.00	2.95	2.77	2.68	3.03	3.27
21	5.14	6.73	4.88	3.30	3.77	3.95	2.97	2.86	2.58	3.00	3.05	3.05
22	5.03	7.40	4.75	3.26	3.66	4.00	3.00	2.83	2.70	3.35	3.35	2.94
23	4.95	7.00	4.55	3.24	3.64	4.20	3.02	2.80	2.65	3.35	3.16	3.10
24	5.10	7.14	4.48	3.40	3.65	4.45	3.05	2.65	2.65	3.17	3.18	3.28
25	7.07	6.68	4.35	3.27	3.75	4.10	3.00	2.60	2.45	3.20	3.20	3.05
26	6.62	6.50	4.24	3.53	3.59	4.09	2.85	2.51	2.57	3.15	3.17	3.33
27	6.55	6.58	4.13	3.52	3.63	4.07	2.75	2.50	2.53	2.85	3.21	3.49
28	6.32	6.10	3.97	4.10	3.80	4.10	2.70	2.17	2.65	3.12	3.20	3.05
29	6.79	-----	3.90	3.77	4.05	4.00	2.67	2.28	2.59	3.00	3.26	3.05
30	6.55	-----	4.48	3.68	3.75	4.00	2.65	2.33	2.95	3.00	2.95	3.15
31	6.50	-----	4.49	-----	4.13	-----	2.57	2.50	-----	3.09	-----	3.15

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	5.16	6.57	5.13	3.74	3.68	4.09	3.30	2.62	2.69	2.88	3.17	3.35
MAX	7.07	7.40	6.45	4.47	4.13	4.45	3.90	2.98	3.14	3.35	3.45	4.05
MIN	3.94	6.10	3.90	3.24	3.37	3.91	2.57	2.17	2.38	2.16	2.80	2.94
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 3.85.

HIGHEST STAGE WAS 7.54 AT 2:30 A.M. ON FEB 22.

LOWEST STAGE WAS 2.15 ON AUG 28.

## DAILY STAGE FOR 1990

## LOWER GRAND RIVER AT BAYOU SORREL LOCK (LA.)

LOCATION. LAT. 30-07-55, LONG. 91-19-22. IN NORTH APPROACH CHANNEL (IWW, MORGAN CITY-PORT ALLEN ROUTE), 1.9 MILES SOUTH OF BAYOU SORREL, LA. (STA. 5256009.)

GAGE. STAFF TYPE.

GENERAL INFORMATION. SUBTRACT 0.3 FROM STAGES PRIOR TO 1955.

RECORDS AVAILABLE. DAILY, JAN. 2 TO DEC. 31, 1947, AND JAN. 2, 1951 TO DATE. INTERMITTENTLY, 1948 TO 1950. FOR RECORDS 1939 TO 1946, REFER TO GAGE LOWER GRAND RIVER AT JUNCTION BAYOU SORREL.

EXTREMES. HIGHEST, 7.90 FEET ON APR. 15 AND 16, 1980. LOWEST, MINUS 0.30 FOOT (PRESENT DATUM) ON OCT. 9, 1952.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	4.00	5.70 G	5.50 G	3.80 G	3.10 G	3.40 G	3.30 G	2.20	1.90	2.00	2.40	2.50
2	3.90	5.60 G	5.50 G	3.90 G	3.10 G	3.40 G	3.50 G	2.20	1.90	2.00	2.50	2.50
3	3.90	5.50 G	5.60 G	3.80 G	3.10 G	3.40 G	3.30 G	2.10	1.90	2.00	2.50	3.10
4	3.50	5.60 G	5.60 G	3.70 G	3.00 G	3.40 G	3.50 G	2.10	1.90	2.00	2.60	3.20
5	4.20	5.70 G	5.50 G	3.70 G	3.10 G	3.40 G	3.40 G	2.20 G	2.10	2.40	2.50	3.10
6	4.30	5.70 G	5.40 G	3.60 G	3.10 G	3.40 G	3.40 G	2.20	2.10	2.40	2.50	3.00
7	4.50	5.60 G	5.10 G	3.60 G	3.00 G	3.40 G	3.40 G	2.20 G	2.10	2.40	2.60	2.90
8	4.80 G	5.50 G	5.00 G	3.50 G	3.00 G	3.50 G	3.30	1.80	2.00	2.40	2.60	3.00
9	4.60 G	5.60 G	4.90 G	3.30 G	3.00 G	3.60 G	3.10	2.40 G	2.10	2.50	2.60	2.90
10	4.40 G	5.70 G	4.90 G	3.30 G	3.00 G	3.40 G	3.10	1.80 G	2.10	2.40	2.70	2.80
11	4.20	5.90 G	4.70 G	3.30 G	3.00 G	3.50 G	3.20 G	1.80	2.10	2.10	2.70	2.60
12	4.00	5.90 G	4.60 G	3.30 G	3.00 G	3.50 G	3.00	2.00	2.40	1.70	2.60	2.70
13	3.80	5.80 G	4.50 G	3.20 G	3.10 G	3.40 G	3.00	2.00	2.40	1.70	2.50	2.70
14	3.70	5.70 G	4.40 G	3.30 G	3.10 G	3.40 G	3.00	2.00	2.40	1.80	2.40	2.60
15	3.70	5.55 G	4.30 G	3.00 G	3.40 G	3.50 G	3.00	2.10 G	2.30	2.00	2.30	2.70
16	3.70	5.60 G	4.40 G	3.00 G	3.20 G	3.50 G	2.80	2.30	2.30	2.20	2.30	2.80
17	3.60	5.70 G	4.70 G	3.00 G	3.20 G	3.50 G	2.80	2.40 G	2.30	2.10	2.30	3.00
18	3.40	5.60 G	4.60 G	3.00 G	3.20 G	3.50 G	2.80 G	2.10 G	2.10	2.10	2.10	2.80
19	3.80	6.10 G	4.60 G	3.00 G	3.20 G	3.40 G	2.70	2.10 G	2.10	2.10	1.90 G	2.90
20	4.00	6.10 G	4.50 G	3.00 G	3.20 G	3.40 G	2.60	2.40 G	1.90	2.20	2.40 G	2.50
21	4.10	6.10 G	4.30 G	2.90 G	3.20 G	3.40 G	2.50	2.30 G	2.10	2.50	2.40 G	2.50
22	4.50	6.20 G	4.20 G	2.80 G	3.20 G	3.40 G	2.40	2.30 G	2.10	2.80	2.30 G	2.50
23	4.30	6.30 G	4.00 G	2.80 G	3.20 G	3.40 G	2.40	2.20 G	2.10	2.50	2.60 G	2.70
24	4.30	6.20 G	4.00 G	2.80 G	3.20 G	3.70 G	2.50	2.20 G	2.00	2.60	2.60 G	2.70
25	5.30 G	6.10 G	3.90 G	2.80 G	3.10 G	3.60 G	2.50	2.10 G	2.00	2.60	2.60 G	2.70
26	5.50 G	5.90 G	3.50 G	3.00 G	3.10 G	3.60 G	2.40	2.00 G	1.90	2.50	2.60 G	2.60
27	5.60 G	5.80 G	3.50 G	2.70 G	3.10 G	3.60 G	2.20 G	2.10 G	1.90	2.50	2.60 G	2.70
28	5.60 G	5.60 G	3.50 G	2.80 G	3.10 G	3.50 G	2.20 G	2.00	2.00	2.50	2.50 G	2.70
29	5.50	----- G	3.40 G	3.10 G	3.20 G	3.50 G	2.30 G	1.90	2.00	2.40	2.70 G	2.60
30	5.70	----- G	3.50 G	3.10 G	3.20 G	3.50 G	2.30 G	1.80	2.00	2.10	2.50 G	2.50
31	5.70	----- G	3.70	----- G	3.30	----- G	2.20	1.90	-----	2.50	----- G	2.40

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	4.39	5.80	4.51	3.20	3.13	3.47	2.84	2.10	2.08	2.26	2.48	2.74
MAX	5.70	6.30	5.60	3.90	3.40	3.70	3.50	2.40	2.40	2.80	2.70	3.20
MIN	3.40	5.50	3.40	2.70	3.00	3.40	2.20	1.80	1.90	1.70	1.90	2.40
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

G-GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 3.23.

HIGHEST STAGE WAS 6.30 AT 8:00 A.M. ON FEB 23.

LOWEST STAGE WAS 1.70 ON OCT 12 AND LATER DATE(S).

## DAILY STAGE FOR 1990

BELLE RIVER NEAR PIERRE PASS, LA.

LOCATION. LAT. 29-54-28, LONG. 91-12-59. ON RIGHT BANK, 100 FEET SOUTH OF HIGHWAY 70 BRIDGE,  
3.5 MILES SOUTH OF PIERRE PASS, LA. (STA. 5264010.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. JULY 29, 1955 TO DATE.

EXTREMES. HIGHEST, 5.10 FEET (CAUSED BY HURRICANE) ON NOV. 1, 1985. LOWEST, MINUS 0.30 FOOT ON  
JAN. 13 AND 14, 1956 AND DEC. 23, 1989 AND LATER DATE(S).

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ. )

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.4	2.1	3.2	3.2	2.7	3.2	3.2	1.8	1.8	1.7	1.7	1.7
2	1.5	2.2	3.3	3.1	2.7	3.2	3.1	1.9	1.7	1.7	1.9	1.6
3	1.4	2.2	3.3	3.0	2.8	3.2	3.0	1.9	1.7	1.8	2.0	1.5
4	1.4	2.3	3.2	2.9	2.8	3.2	2.9	1.8	1.7	1.8	2.1	1.5
5	1.3	2.3	3.3	2.9	2.7	3.2	2.8	1.8	1.7	1.8	2.2	1.6
6	1.3	2.4	3.3	2.9	2.6	3.2	2.7	1.8	1.7	1.8	2.1	1.7
7	1.4	2.4	3.4	2.8	2.5	3.2	2.7	1.8	1.8	1.8	2.1	1.6
8	1.4	2.5	3.4	2.8	2.5	3.3	2.6	1.7	1.9	1.9	2.1	1.6
9	1.4	2.5	3.4	2.9	2.6	3.3	2.5	1.7	2.0	1.9	2.0	1.6
10	1.4	2.6	3.5	3.0	2.6	3.3	2.5	1.7	2.0	1.7	2.0	1.5
11	1.4	2.5	3.5	3.0	2.7	3.3	2.4	1.7	2.0	1.7	2.0	1.5
12	1.5	2.5	3.5	3.0	2.8	3.3	2.4	1.7	2.0	1.6	1.9	1.5
13	1.5	2.6	3.5	2.9	3.0	3.3	2.3	1.7	2.1	1.6	1.8	1.6
14	1.6	2.6	3.6	2.8	2.9	3.3	2.3	1.7	2.1	1.5	1.8	1.6
15	1.6	2.7	3.7		2.9	3.3	2.3	1.8	2.1	1.5	1.7	1.7
16	1.6	2.8	3.6		2.9	3.3	2.3	1.8	2.0	1.6	1.6	1.7
17	1.7	2.9	3.5		2.9	3.3	2.3	1.8	2.0	1.6	1.6	1.8
18	1.7	3.0	3.4		2.9	3.3	2.3	1.8	2.0	1.7	1.5	1.8
19	1.7	3.1	3.3		2.8	3.3	2.2	1.8	2.0	1.7	1.5	1.8
20	1.7	3.2	3.3		2.9	3.3	2.2	1.8	1.9	1.8	1.6	1.7
21	1.7	3.3	3.2		2.9	3.3	2.2	1.7	1.9	1.9	1.6	1.7
22	1.8	3.3	3.1	2.4	2.9	3.3	2.1	1.7	1.9	2.1	1.7	1.7
23	1.9	3.2	3.0	2.4	2.9	3.3	2.1	1.7	1.8	1.9	1.8	1.8
24	1.9	3.2	3.0	2.5	2.9	3.3	2.1	1.8	1.7	1.8	1.9	1.8
25	2.0	3.1	3.1	2.5	2.9	3.3	2.0	1.8	1.6	1.6	2.0	1.8
26	2.0	3.1	3.1	2.5	3.0	3.3	2.0	1.8	1.5	1.4	2.6	1.9
27	2.0	3.1	3.1	2.5	3.0	3.3	1.9	1.8	1.5	1.4	2.4	1.9
28	2.1	3.2	3.1	2.6	3.1	3.3	1.9	1.8	1.5	1.4	2.3	2.0
29	2.1	-----	3.2	2.6	3.1	3.2	1.8	1.8	1.6	1.6	2.2	2.0
30	2.1	-----	3.2	2.6	3.2	3.2	1.8	1.8	1.6	1.8	2.1	2.1
31	2.1	-----	3.2	-----	3.2	-----	1.8	1.8	-----	1.6	-----	2.1

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.7	2.7	3.3	2.8	2.8	3.3	2.3	1.8	1.8	1.7	1.9	1.7
MAX	2.1	3.3	3.7	3.2	3.2	3.3	3.2	1.9	2.1	2.1	2.6	2.1
MIN	1.3	2.1	3.0	2.4	2.5	3.2	1.8	1.7	1.5	1.4	1.5	1.5
DAYS	31	28	31	23	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 358  
 THE MEAN STAGE FOR THE YEAR WAS 2.3.  
 HIGHEST STAGE WAS 3.7 AT 8:00 A.M. ON MAR 15.  
 LOWEST STAGE WAS 1.3 ON JAN 5 AND LATER DATE(S).



## DAILY STAGE FOR 1990

## PIERRE PASS AT PIERRE PART, LA.

LOCATION. LAT. 29-57-50, LONG. 91-12-32. ABOUT 30 FEET DOWNSTREAM FROM HIGHWAY 70 BRIDGE.  
(STA. 5268010.)

GAGE. STAFF TYPE.

GENERAL INFORMATION. PRIOR TO 1974 STATION WAS REFERRED TO AS PIERRE PASS AT PIERRE PASS, LA.

RECORDS AVAILABLE. INTERMITTENTLY, 1937 TO 1939, 1944 TO 1947, 1949 TO 1950, AND 1953. DAILY,  
AUG. 3, 1955 TO DATE.

EXTREMES. (SINCE 1944) HIGHEST, 5.00 FEET ON APR. 19 AND LATER DATES IN 1973. LOWEST, MINUS 1.2  
FEET ON DEC. 25, 1989.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.4	2.0	3.1	3.1	2.8	3.1	3.0	1.9	1.5			1.7
2	1.2	2.1	3.2	3.0	2.8	3.2	2.9	1.9	1.6			1.9
3	1.2	2.3	3.2	2.9	2.9	3.3	2.9	1.9	1.6			2.4
4	1.2	2.2	3.1	2.9	2.9	3.2	2.8	1.9	1.5			2.3
5	1.1	2.0	3.1	2.9	2.8	3.2	2.8	1.8	1.6			2.1
6	1.3	2.1	3.2	3.0	2.7	3.2	2.8	1.7	1.7			2.0
7	1.2	2.2	3.2	2.8	2.6	3.2	2.8	1.7	1.8			2.0
8	1.3	2.3	3.3	2.7	2.6	3.2	2.7	1.6	1.8			1.7
9	1.4	2.5	3.3	2.8	2.8	3.3	2.6	1.6	1.8			1.7
10	1.4	2.6	3.4	2.8	2.7	3.2	2.6	1.5	1.8			1.5
11	1.3	2.5	3.4	2.7	2.7	3.2	2.6	1.6	1.8			1.3
12	1.3	2.5	3.4	2.7	2.8	3.3	2.6	1.7	1.8			1.5
13	1.3	2.5	3.4	2.7	2.8	3.3	2.5	1.7	1.9			1.7
14	1.3	2.5	3.3	2.7	2.9	3.3	2.4	1.8	1.9			1.7
15	1.3	2.8	3.4	2.7	2.9	3.3	2.3	1.8	1.8			1.7
16	1.3	2.7	3.5	2.7	3.0	3.3	2.3	1.8	1.8			1.7
17	1.3	2.7	3.4	2.7	2.9	3.3	2.3	1.9	1.8			1.8
18	1.4	2.7	3.4	2.6	2.9	3.3	2.3	2.0	1.8			1.9
19	1.5	2.8	3.3	2.5	2.9	3.2	2.2	2.0	1.7		1.8	1.8
20	1.7	2.8	3.1	2.6	2.9	3.2	2.2	2.0	1.8		1.8	1.9
21	1.7	2.9	3.1	2.6	2.9	3.2	2.2	1.9	1.8		1.9	2.0
22	1.7	3.2	3.0	2.6	2.9	3.2	2.2	2.0	1.8		1.9	2.1
23	1.7	3.1	3.0	2.5	2.8	3.3	2.3	1.9	1.5		2.0	2.0
24	1.8	3.1	2.9	2.5	2.8	3.3	2.3	1.9	1.1		1.9	1.3
25	1.7	3.1	2.9	2.6	2.9	3.3	2.2	1.6	1.2		1.9	1.3
26	1.8	3.1	2.8	2.6	2.8	3.3	2.1	1.4	1.4		2.0	1.5
27	1.9	3.1	2.7	2.7	2.9	3.2	1.9	1.3	1.5		2.1	1.6
28	1.9	3.1	2.8	2.7	2.9	3.1	1.9	1.4	1.4		2.2	1.8
29	1.7	-----	2.8	2.8	3.0	3.1	1.9	1.5	1.4		1.8	2.0
30	1.9	-----	3.0	2.8	3.0	3.0	1.9	1.5	-----		1.5	2.0
31	2.0	-----	3.0	-----	3.0	-----	1.9	1.5	-----		-----	1.9

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.5	2.6	3.2	2.7	2.8	3.2	2.4	1.7	1.7		1.9	1.8
MAX	2.0	3.2	3.5	3.1	3.0	3.3	3.0	2.0	1.9		2.2	2.4
MIN	0.4	2.0	2.7	2.5	2.6	3.0	1.9	1.3	1.1		1.5	1.3
DAYS	31	28	31	30	31	30	31	31	29	0	12	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 315  
THE MEAN STAGE FOR THE YEAR WAS 2.3.  
HIGHEST STAGE WAS 3.5 AT 8:00 A.M. ON MAR 16.  
LOWEST STAGE WAS 0.1 ON JAN 1.

## DAILY STAGE FOR 1990

LAKE VERRET AT ATTAKAPAS LANDING, LA.

LOCATION. LAT. 29-50-58, LONG. 91-06-09. AT ATTAKAPAS BOAT RAMP, IN LOWER PART OF LAKE,  
7.7 MILES SOUTHWEST OF NAPOLEONVILLE, LA. (STA. 5272010.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. DAILY, JUNE 15, 1932 TO JULY 25, 1933, AND AUG. 22, 1955 TO DATE.  
INTERMITTENTLY, 1939, 1944 TO 1947, AND 1949 TO 1950.EXTREMES. (SINCE 1944) HIGHEST, 5.20 FEET ON APR. 21, 1973. LOWEST, MINUS 0.3 FOOT ON JAN. 14,  
1956.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1987 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.80	2.20	3.20	3.25	3.00	3.35	3.20	2.00	1.75			
2	1.40	2.35	3.40	3.30	3.00	3.40	3.10	1.90	1.80			
3	1.50	2.40	3.40	3.20	3.00	3.45	3.05	2.05	1.80			
4	1.60	2.50	3.30	3.10	3.00	3.40	3.00	2.05	1.90			
5	1.60	2.30	3.30	3.15	3.05	3.40	2.95	2.00	1.90			
6	1.60	2.30	3.40	3.15	2.90	3.45	2.95	1.95	1.85			
7	1.40	2.40	3.40	3.05	2.75	3.40	2.90	1.90	2.00			
8	1.40	2.40	3.50	3.00	2.75	3.40	2.85	1.80	2.00			
9	1.60	2.70	3.50	2.95	3.00	3.40	2.80	1.70	2.00			
10	1.60	3.00	3.60	3.00	3.00	3.40	2.80	1.80	1.90			
11	1.60	2.70	3.60	3.00	2.80	3.40	2.80	1.90	2.00			
12	1.50	2.70	3.60	2.90	2.90	3.50	2.70	1.90	2.00			
13	1.20	2.70	3.60	2.90	3.00	3.50	2.70	1.90	2.00			
14	1.40	2.70	3.60	2.85	3.10	3.40	2.60	2.10	2.15			
15	1.40	2.90	3.70	2.90	3.10	3.50	2.50	2.05	2.10			
16	1.40	3.10	3.55	2.85	3.10	3.50	2.50	2.10	2.00			
17	1.50	3.00	3.70	2.80	3.10	3.60	2.50	2.15	1.90			
18	1.70	2.80	3.60	2.70	3.05	3.50	2.30	2.15	2.00			
19	1.80	2.90	3.50	2.70	3.00	3.40	2.40	2.20	1.90			2.00
20	1.90	3.00	3.40	2.65	3.10	3.40	2.40	2.20	1.80			2.00
21	2.00	2.90	3.20	2.70	3.10	3.40	2.50	2.15	1.90			2.10
22	1.90	3.40	3.20	2.70	3.10	3.40	2.45	2.15	1.90			2.20
23	1.90	3.40	3.15	2.70	3.00	3.40	2.50	2.15	1.70			2.30
24	1.90	3.30	3.10	2.70	3.00	3.50	2.50	2.00	1.20			1.80
25	2.20	3.30	3.10	2.70	3.05	3.45	2.40	1.75	1.30			1.50
26	1.95	3.20	3.05	2.70	3.10	3.40	2.20	1.55	1.50			1.80
27	2.00	3.20	3.00	2.45	3.10	3.50	2.10	1.50	1.60			1.80
28	2.10	3.20	2.90	3.00	3.10	3.30	2.10	1.50	1.60			2.00
29	2.20	-----	3.00	3.00	3.20	3.25	2.05	1.80	1.60			2.15
30	2.15	-----	3.20	3.00	3.25	3.25	2.05	2.00				2.20
31	2.10	-----	3.30	-----	3.30	-----	2.05	1.80	-----		-----	2.15

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.72	2.82	3.36	2.90	3.03	3.42	2.58	1.94	1.83			2.00
MAX	2.20	3.40	3.70	3.30	3.30	3.60	3.20	2.20	2.15			2.30
MIN	1.20	2.20	2.90	2.45	2.75	3.25	2.05	1.50	1.20			1.50
DAYS	31	28	31	30	31	30	31	31	29	0	0	13

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 285

THE MEAN STAGE FOR THE YEAR WAS 2.59.

HIGHEST STAGE WAS 3.70 AT 8:00 A.M. ON MAR 15 AND LATER DATE(S).

LOWEST STAGE WAS 0.80 ON JAN 13 AND LATER DATE(S).

## DAILY STAGE FOR 1990

LAKE PALOURDE NEAR MORGAN CITY, LA.

LOCATION. LAT. 29-43-13, LONG. 91-11-16. APPROXIMATELY 1.5 MILES NORTH OF MORGAN CITY AND 75 FEET EAST OF LA. HIGHWAY 70 IN LAKE PALOURDE. (STA. 5275010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. MAR. 1974 TO DATE.

EXTREMES. HIGHEST, 4.23 FEET ON APR. 30, 1975. LOWEST, MINUS 0.50 FOOT ON DEC. 27, 1989.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.40					3.47	3.32	2.31	1.97	2.04	2.07	2.00
2	1.22					3.50	3.25	2.34	2.04	2.10	2.17	2.09
3	1.17	2.37				3.51	3.15	2.27	2.08	2.28	2.34	2.85
4	1.10	2.46				3.56	3.14	2.21	2.12	2.38	2.47	2.59
5	1.14					3.50	3.10	2.18	2.00	2.13	2.55	2.26
6	1.41						3.08	2.08	2.14	2.20	2.40	2.30
7	1.37						3.01	2.11	2.19	2.30	2.39	2.35
8	1.33		3.57			3.52	2.92	2.03	2.21	2.31	2.22	1.91
9	1.48		3.57			3.55	2.87	1.95	2.18	2.36	2.35	1.82
10	1.45		3.64				2.85	1.85	2.19	2.00	2.22	1.68
11	1.46		3.66	3.12		3.56	2.82	1.96	2.22	1.46	1.90	1.54
12	1.60		3.64	3.00		3.55	2.70	2.06	2.35	1.67	1.92	1.80
13	1.13			2.99		3.55	2.65	2.17	2.39	1.41	1.66	1.92
14				2.95		3.59	2.53	2.25	2.34	1.68	1.82	1.87
15	1.54			2.95		3.60	2.47	2.30	2.27	1.83	1.91	1.90
16	1.46			2.89		3.62	2.52	2.31	2.21	1.92	1.99	1.94
17	1.57			2.89		3.60	2.56	2.39	2.19	2.02	2.05	2.00
18	1.62					3.59	2.50	2.44	2.12	2.08	2.03	2.23
19	1.74			2.84		3.55	2.52	2.41	2.11	1.71	2.19	2.15
20	1.91			2.87		3.55	2.52	2.32	2.10	2.08	2.18	2.18
21	2.65			2.88		3.55	2.54	2.22	2.18	2.21	2.29	2.25
22						3.56	2.55	2.25	2.10	2.42	2.34	2.25
23					F 2.58	3.62	2.56	2.19	1.84	2.22	2.29	2.35
24					F 3.10	3.58	2.51	2.01	1.47	2.16	2.23	1.86
25					F 3.17	3.54	2.36	1.79	1.76	1.93	2.25	1.70
26					3.19	3.47	2.32	1.65	1.89	1.65	2.18	1.78
27					3.23	3.42	2.25	1.77	1.90	1.84	2.32	1.90
28					3.28	3.44	2.29	1.88	1.99	1.85	2.40	2.05
29		-----			3.36	3.41	2.34	2.02	1.97	1.91	2.31	2.22
30		-----			3.37	3.38	2.29	1.95	1.97	1.90	1.78	2.32
31		-----		-----	3.39	-----	2.30	2.00	-----	1.90	-----	2.41

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.49	2.41	3.62	2.94	3.19	3.53	2.67	2.12	2.08	2.00	2.17	2.08
MAX	2.65	2.46	3.66	3.12	3.39	3.62	3.32	2.44	2.39	2.42	2.55	2.85
MIN	1.10	2.37	3.57	2.84	2.58	3.38	2.25	1.65	1.47	1.41	1.66	1.54
DAYS	20	2	5	10	9	27	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 257

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 2.37.

HIGHEST STAGE (FROM INCOMPLETE RECORDS) WAS 3.66 AT 8:00 A.M. ON MAR 11.

LOWEST STAGE WAS 1.10 ON JAN 4.

DAILY STAGE FOR 1990  
BAYOU BOEUF AT AMELIA, LA.

LOCATION. LAT. 29-40-06, LONG. 91-05-50. JUST NORTH OF SOUTHERN PACIFIC RAILROAD AND U. S. HIGHWAY 90 BRIDGES. (STA. 5280010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1932 TO 1942, 1944 TO 1954. DAILY, JAN. 12, 1955 TO DATE.

EXTREMES. HIGHEST, 4.90 FEET ON APR. 30, 1975. LOWEST, CHANNEL DRY ON JAN. 20, 1940.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.10	1.73	2.90	2.94	2.66	3.15	2.95	1.93	1.75	1.75	1.68	1.60
2	0.94	1.98	3.10	2.96	2.66	3.19	2.92	1.93	1.76	1.64	1.84	1.69
3	0.83	1.87	2.97	2.90	2.74	3.21	2.80	1.91	1.80	1.93	1.86	2.60
4	0.80	2.01	2.97	2.84	2.75	3.27	2.74	1.86	1.84		2.10	2.07
5	0.76	1.72	3.02	2.87	2.75	3.28	2.70	1.84	1.67			1.87
6	1.07	1.95	3.05	2.93	2.53	3.22	2.71	1.75	1.81			1.85
7	1.05	2.02	3.08	2.67	2.50	3.22	2.70	1.86	1.91			1.95
8	0.97	2.13	3.13	2.77	2.57	3.25	2.50	1.67	1.79			1.45
9	1.15	2.37	3.15	2.77	2.85	3.24	2.43	1.65	1.81			1.38
10	1.17	2.64	3.24	2.79	2.75	3.25	2.42	1.62	1.90			1.23
11	1.12	2.30	3.23	2.76	2.63	3.26	2.40	1.70	1.96			1.13
12	1.30	2.26	3.25	2.59	2.73	3.25	2.39	1.80	2.07			1.35
13	0.91	2.35	3.20	2.60	2.84	3.25	2.39	1.85	2.00	F	1.20	1.53
14	1.12	2.37	3.21	2.63	2.81	3.29	2.28	1.97	2.05			1.47
15	1.12	2.49	3.40	2.57	2.82	3.30	2.23	2.04	1.95			1.53
16	1.04	2.74	3.34	2.51	2.84	3.33	2.25	1.99	1.87			1.58
17	1.16	2.50	3.18	2.55	2.87	3.30	2.25	2.06	1.80			1.61
18	1.17	2.49	3.05	2.42	2.75	3.31	2.17	2.15	1.83			1.87
19	1.25	2.65	3.01	2.40	2.84	3.27	2.16	2.14	1.78			1.76
20	1.42	2.61	2.82	2.46	2.90	3.27	2.27	2.15	1.75			1.77
21	1.51	2.71	2.80	2.52	2.92	3.25	2.05	2.00	1.66			1.85
22	1.45	3.09	2.88	2.52	2.93	3.30	2.06	2.05	1.55			1.84
23	1.55	3.13	2.80	2.53	2.82	3.30	2.10	2.03	1.20			1.93
24	1.49	2.90	2.85	2.53	2.85	3.24	2.05	1.60	0.91	1.85		1.42
25	2.00	2.86	2.86	2.55	2.85	3.18	1.93	1.52	1.22	1.65		1.30
26	1.49	2.90	2.80	2.55	2.90	3.11	1.90	1.31	1.33	1.31		1.30
27	1.80	2.92	2.70	2.87	2.93	3.05	1.87	1.46	1.40	1.47	F	1.49
28	1.77	2.92	2.74	2.77	3.05	3.03	1.91	1.64	1.47	1.40	2.00	1.63
29	2.14	-----	2.76	2.61	3.01	3.01	1.93	1.77	1.49	1.46	1.70	1.79
30	1.88	-----	3.03	2.66	3.04	3.00	1.93	1.69	1.65	1.50	1.27	1.90
31	1.77	-----	2.97	-----	3.09	-----	1.93	1.76	-----	1.45	-----	2.05

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.30	2.45	3.02	2.67	2.81	3.22	2.30	1.83	1.70	1.58	1.73	1.67
MAX	2.14	3.13	3.40	2.96	3.09	3.33	2.95	2.15	2.07	1.93	2.10	2.60
MIN	0.76	1.72	2.70	2.40	2.50	3.00	1.87	1.31	0.91	1.31	1.20	1.13
DAYS	31	28	31	30	31	30	31	31	30	11	9	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 324

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 2.25.

HIGHEST STAGE WAS 3.53 AT 3:15 A.M. ON MAR 15.

LOWEST STAGE WAS 0.73 ON JAN 13.

## DAILY STAGE FOR 1990

BAYOU BLACK AT GIBSON, LA.

LOCATION. LAT. 29-41-13, LONG. 90-59-29. ABOUT 500 FEET SOUTH U.S. HIGHWAY 90 BRIDGE.  
(STA. 5284010.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. STAGE, INTERMITTENTLY, 1935 TO 1942, AND 1946 TO 1965. DAILY, OCT. 1968  
TO DATE.EXTREMES. HIGHEST, 5.50 FEET (CAUSED BY HURRICANE) ON OCT. 30, 1985. LOWEST, 0.01 FOOT ON NOV. 20  
AND 21, 1969.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.5	1.7	2.9	2.8	2.5	2.8	2.9	2.4	1.2			
2	0.7	1.7	2.9	2.8	2.6	2.8	2.9	2.5	1.2			
3	0.7	1.2	2.9	2.7	2.6	2.8	2.7	2.5	1.1			
4	0.8	1.2	2.9	2.7	2.4	2.8	2.7	2.4	1.1			
5	0.8	1.2	2.9	2.7	2.4	2.9	2.7	2.2	1.0			
6	1.0	0.9	2.9	2.8	2.4	2.9	2.6	2.4	0.9			
7	1.0	0.9	2.9	2.8	2.4	2.9	2.6	2.0	0.9			
8	1.0	1.0	3.0	2.5	2.4	3.0	2.6	1.9	0.9			
9	0.9	1.0	3.0	2.8	2.6	3.0	2.9	1.9	0.9			
10	0.9	1.4	3.0	2.7	2.6	3.0	2.9	1.6	1.2			
11	0.7	1.0	3.0	2.6	2.8	3.0	2.9	1.5	1.2			
12	0.5	1.0	2.9	2.5	2.8	3.0	2.8	1.4	1.3			
13	0.5	0.9	2.9	2.5	2.6	3.0	2.8	1.3	1.3			
14	0.8	0.9	3.0	2.5	2.5	3.0	2.8	1.3	1.3			
15	0.8	1.0	3.0	2.5	2.7	2.9	2.6	1.3	1.5			
16	1.0	1.9	3.0	2.4	2.8	2.9	2.4	1.4	1.5			
17	1.0	1.9	2.8	2.4	2.8	3.0	2.4	1.4	1.5			
18	1.0	1.9	2.7	2.3	2.7	3.0	2.4	1.3	1.6			
19	0.9	2.0	2.2	2.6	2.7	3.0	2.4	1.4	1.8			
20	0.9	2.4	1.9	2.8	2.8	2.9	2.5	1.4	1.8			
21	0.8	2.6	1.8	2.8	2.7	2.9	2.5	1.4	1.7			
22	0.8	2.8	1.8	2.9	2.6	3.0	2.5	1.2	1.7			
23	0.7	2.7	1.6	2.9	2.6	3.0	2.4	1.2				
24	0.7	2.7	1.6	2.4	2.6	3.0	2.2	1.3				
25	0.9	2.6	1.5	2.4	2.5	2.9	2.0	1.3				
26	0.9	2.7	1.5	2.6	2.5	2.9	2.0	0.9				
27	0.9	2.8	1.4	2.8	2.6	2.7	2.0	0.9				
28	0.9	2.8	1.4	2.9	2.8	2.7	2.2	1.1				
29	0.9	-----	1.6	2.9	2.8	2.6	2.2	1.1				
30	1.0	-----	1.6	2.6	2.6	2.6	2.2	1.2				
31	1.0	-----	1.7	-----	2.8	-----	2.4	1.2	-----		-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.8	1.7	2.4	2.7	2.6	2.9	2.5	1.6	1.3			
MAX	1.0	2.8	3.0	2.9	2.8	3.0	2.9	2.5	1.8			
MIN	0.5	0.9	1.4	2.3	2.4	2.6	2.0	0.9	0.9			
DAYS	31	28	31	30	31	30	31	31	22	0	0	0

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 265

THE MEAN STAGE FOR THE YEAR WAS 2.1.

HIGHEST STAGE WAS 3.0 AT 8:00 A.M. ON MAR 8 AND LATER DATE(S).

LOWEST STAGE WAS 0.5 ON JAN 1 AND LATER DATE(S).

DAILY STAGE FOR 1990  
BAYOU BLACK AT GREENWOOD, LA.

LOCATION. LAT. 29-37-14, LONG. 90-54-15. ON U. S. HIGHWAY 90 BRIDGE. (STA. 5288010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1935 TO 1942, AND 1944 TO 1965. DAILY, NOV. 18, 1965 TO DATE.

EXTREMES. HIGHEST, 4.82 FEET (FROM INCOMPLETE RECORD) ON APR. 14, 1980. LOWEST, MINUS 1.22 FEET ON DEC. 24, 1989.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.81	1.19	2.22	2.37	2.17	2.37	2.44	1.65		0.39	0.73	1.47
2	0.59	1.27	2.34	2.38	2.16	2.39	2.40	1.15		0.49	0.84	1.39
3	0.49	1.30	2.34	2.36	2.15	2.41	2.34	1.15		0.58	0.91	2.14
4	0.48	1.37	2.33	2.32	2.18	2.44	2.56	1.14		0.64	0.97	2.37
5	0.50	1.27	2.33	2.30	2.19	2.45	2.61	1.17		0.71	1.24	2.25
6	1.10	1.27	2.33	2.27	2.13	2.46	2.23	1.46		0.85	1.26	2.15
7	1.09	1.37	2.32	2.23	2.06	2.46	2.29	1.67		0.92	1.22	1.93
8	1.06	1.39	2.32	2.17	2.02	2.46	2.10	1.46		0.92	1.20	1.75
9		1.70	2.33	2.14	2.15	2.46	1.95	1.35		0.96	1.33	1.58
10		1.75	2.36	2.12	2.15	2.46	1.91	1.29		0.87	1.36	1.43
11		1.72	2.37	2.15	2.11	2.47	1.95	1.34		0.54	0.83	1.27
12		1.69	2.40	2.10	2.09	2.51	1.97	1.46		0.38	0.73	1.44
13		1.67	2.42	2.06	2.15	2.52	2.02	1.46		0.21	0.54	1.51
14		1.67	2.43	2.03	2.19	2.52	1.94	1.34		0.37	0.56	1.59
15		1.69	2.46	2.03	2.21	2.57	1.76	1.37		0.44	0.63	1.58
16		1.84	2.66		2.22	2.59	1.73	1.43		0.61	0.69	1.54
17		1.81	2.67	1.97	2.23	2.58	1.75	1.53		0.75	0.83	1.47
18		1.81	2.63	1.94	2.21	2.51	1.78	1.64		0.78	0.90	1.51
19		1.97	2.58	1.90	2.19	2.52	1.73	1.67		0.78	1.27	1.53
20	1.06	1.98	2.50	1.86	2.20	2.51	1.78	1.64		0.93	1.41	1.48
21	1.51	2.05	2.43	1.84	2.18	2.52	2.08	1.67		1.11	1.55	1.47
22	1.39	2.25	2.39	1.90	2.24	2.51	2.08	1.59		1.34	1.51	1.29
23	1.19	2.32	2.35	1.89	2.21	2.54	2.14	1.49		1.42	1.44	1.32
24	1.01	2.31	2.31	1.88	2.16	2.56	2.09	1.26	0.41	1.20	1.57	2.63
25	1.25	2.30	2.28	1.87	2.17	2.81	2.00	1.03	0.46	1.05	1.56	2.08
26	1.38	2.26	2.23	1.87	2.16	2.55	1.79	1.01	0.55	0.44	1.49	1.45
27	1.16	2.23	2.18	2.02	2.17	2.55	1.60		0.48	0.60	1.42	1.05
28	1.15	2.21	2.15	2.22	2.20	2.77	1.56	1.23	0.55	0.65	1.40	1.05
29	1.22	-----	2.13	2.20	2.32	2.82	1.62	1.43	0.44	0.66	2.25	1.16
30	1.25	-----	2.26	2.19	2.33	2.47	1.57	1.27	0.53	0.69	1.68	1.18
31	1.26	-----	2.36	-----	2.33	-----	1.50	-----	-----	0.72	-----	1.19

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.05	1.77	2.37	2.09	2.18	2.53	1.98	1.39	0.62	0.74	1.18	1.59
MAX	1.51	2.32	2.67	2.38	2.33	2.82	2.61	1.67	0.55	1.42	2.25	2.63
MIN	0.48	1.19	2.13	1.84	2.02	2.37	1.50	1.01	0.41	0.21	0.54	1.05
DAYS	20	28	31	29	31	30	31	29	7	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 328  
THE MEAN STAGE FOR THE YEAR WAS 1.71.  
HIGHEST STAGE WAS 2.82 ON JUN 29.  
LOWEST STAGE WAS NOT DETERMINED.

## DAILY STAGE FOR 1990

CHATLIN LAKE CANAL AT LA. HWY. 457.

LOCATION. LAT. 31-07-08, LONG. 92-20-40. FOUR MILES NORTHEAST OF LACOMPTE, LA. (STA. 5502015.)

GAGE. AUTOMATIC RECORDER AND WIRE-WEIGHT.

RECORDS AVAILABLE. MAR. 24, 1986 TO DATE. FOR RECORDS PRIOR TO 1986, REFER TO (STA. 5502515).

EXTREMES. HIGHEST, 62.24 FEET ON NOV. 17, 1987. LOWEST, 43.03 FEET ON SEP. 6, 1990 AND  
LATFR DATES.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	44.03	54.75	46.31		44.52	54.80	44.76	43.66	43.16	43.23	43.16	43.42
2	44.01	53.84	52.70		44.48	53.33	44.44	43.86	43.14	43.19	43.14	43.17
3	43.91	53.32	51.37		44.37	49.94	43.87	44.37	43.13	43.16	43.13	46.75
4	46.30	54.05	48.55		44.26 F	47.25	43.87	44.05	43.11	43.14	43.12	
5	49.73	52.19	46.92		44.29		44.32	43.62	43.10	43.14	43.39	
6	53.15	50.76	46.17 F	44.85	44.64		44.00	43.43	48.04	43.44	44.24	
7	52.74	49.67	45.87	45.13	44.52 F	44.20	43.80	43.37	43.04	43.33	43.69	
8	53.17	48.89	45.47	44.91	44.22	44.10	43.68	43.39	43.09	43.21	43.38	
9	50.22	52.18	45.08	44.76	46.40	44.07	43.64	43.37	43.06	43.11	43.61	
10	47.52	52.88	44.78	44.68	46.58	43.96	43.61	43.35	43.04		45.38	
11		51.09	44.70	54.38	45.23	43.87	43.72	43.34	43.33		44.21 F	43.33
12	F 44.81	49.11	44.63	51.19	44.37	43.84	43.96	43.34	43.35		43.57	43.24
13	44.30	47.93	44.67	48.03	44.93	43.82	45.24	43.33	43.28		43.34	43.14
14	44.01	47.24	44.87	46.12	44.66	43.81	44.38	43.33	43.17		43.22	43.12
15	43.87	46.90	53.40	47.49	44.37	43.92	43.89	43.33	43.14		43.17	43.10
16	43.81	51.87	54.75	46.33	44.08	43.77	43.72	43.33	43.36		43.14	43.10
17	43.80	51.43	51.25	45.45	44.10	43.76	43.67	43.32	43.30		43.14	43.09
18	49.08		47.98	44.97	45.13	43.84	43.61	43.32	43.25		43.14	43.11
19	58.82		46.41	44.77	44.50	43.80	43.57	43.31	43.21		43.14	43.40
20	57.92			44.66	44.26	43.73	43.55	43.25	43.87		43.13	43.38
21	57.53			44.58	44.17	43.80	43.52	43.20	43.68 F	43.03	43.13	45.03
22	55.63 F	57.55		44.57	44.45	43.86	43.57	43.19	43.53 F	45.78	43.13	
23	53.82	55.64		44.48	44.24	43.81	43.51	43.68	43.55		43.13	
24	52.65	53.37		44.42	44.08	43.87	43.55	43.55	43.45		43.85	
25	60.56	50.63		44.40	44.03	43.82	44.03	43.43	43.44 F	43.73	43.42	
26	59.75	48.65		44.36	43.95	43.74	43.93	43.60	43.40	43.56	43.17	
27	58.17	47.52		44.34	43.89	43.80	43.78	43.49	43.40	43.43	43.12 F	47.62
28	57.04	46.80		44.56	47.05	43.90	43.67	43.34	43.34	43.35	43.82	48.39
29	57.65	-----		44.67	48.12	43.89	43.67	43.28	43.30	43.28	45.47	47.39
30	56.78	----- F	50.42	44.41	46.54	43.83	43.87	43.20	43.27	43.20	44.02	46.44
31	55.71	-----	49.57	-----	45.25	-----	43.85	43.17	-----	43.17	-----	46.05

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	51.35	51.18	47.90	45.70	44.83	44.93	43.88	43.45	43.45	43.42	43.52	44.54
MAX	60.56	57.55	54.75	54.38	48.12	54.80	45.24	44.37	48.04	45.78	45.47	48.39
MIN	43.80	46.80	44.63	44.34	43.89	43.73	43.51	43.17	43.04	43.03	43.12	43.09
DAYS	30	24	21	25	31	28	31	31	30	18	30	19

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 318

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 45.63.

HIGHEST STAGE WAS 60.57 AT 7:00 A.M. ON JAN 25.

LOWEST STAGE WAS NOT DETERMINED.

## DAILY STAGE FOR 1990

THREE PRONG LAKE AT BELLEDEAU, LA.

LOCATION. LAT. 31-04-46, LONG. 92-11-02. ON HIGHWAY 114 BRIDGE. (STA. 5515011.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1939 TO 1946. DAILY, AUG. 13, 1946 TO MAR. 1, 1973 AND OCT. 25, 1973 TO DATE.

EXTREMES. (FROM 1946 TO DATE) HIGHEST, 56.24 FEET ON MAY 20 AND 21, 1953. LOWEST, 40.72 FEET ON JULY 11, 1965, ALSO (FROM INCOMPLETE RECORD) ON JUNE 13, 1966.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	43.17	52.04	45.46	45.09	43.01	46.35	42.58	42.78	43.23	42.78	42.63	
2	43.07	51.63	48.89	44.61	42.96	48.07	42.54	42.81	43.26	42.64	42.42	
3	42.97	51.24	48.59	44.41	42.95	47.14	42.52	43.08	43.27	42.70	42.42	
4	45.94	51.08	47.05	44.32	42.92	45.29	42.96	43.09	43.23	42.68	42.41	
5	47.17	50.57	45.70	44.29	43.12	43.99	43.17	43.21	43.20	42.76	42.37	
6	47.92	49.88	45.01	44.31	43.32	43.36	43.14	43.04	43.19	42.67	42.58	
7	48.54	49.15	44.63	44.32	43.23	43.09	42.96	43.33	43.14	42.63	42.55	
8	48.96	48.35	44.32	44.32	43.37	42.93	42.71	43.51	43.12	42.59	42.45	
9	47.77	49.19	44.07	44.33	45.44	42.88	42.59	43.48	43.12	42.69	42.71	
10	45.95	49.56	43.88	44.39	45.24	42.78	42.55	43.57	42.63	42.78	43.20	
11	44.59	48.96	43.78	45.94	43.79	42.63	42.51	43.39	42.90	42.97	43.19	
12	43.78	47.82	43.71	46.16	43.20	42.50	42.55	43.33	43.34	42.84	43.06	
13	43.34	46.78	43.72	45.41	44.70	42.45	42.66	43.30	43.28	42.77	43.01	
14	43.15	46.01	43.61	44.75	43.96	42.43	42.79	43.14	43.20	42.62	42.87	
15	43.05	45.62	43.67	44.59	43.26	42.63	42.86	42.95	43.08	42.70	43.00	
16	43.09	49.18	46.79	44.46	42.98	42.65	42.88	42.82	43.01	42.69	43.11	
17	43.03	49.49	47.28	44.33	42.97	42.66	43.01	42.80	42.92	42.68	43.07	
18	43.28	48.29	45.68	44.27	43.08	42.65	42.98	42.82	42.86	42.61	42.99	
19	48.46	48.61	44.35	44.23	43.00	42.65	43.06	42.82	42.89	42.55		
20	49.88	47.84	43.66	44.21	42.95	42.71	43.10	42.83	42.76	42.58		
21	50.61	46.54	43.38	44.21	42.87	42.50	43.03	42.83	42.86	42.44		
22	50.53	51.04	43.28	44.22	43.13	42.41	43.01	42.88	42.42	43.04		
23	50.11		43.19	44.24	43.39	42.53	42.93	43.06	42.80	43.20		
24	50.49		43.12	44.24	43.53	42.67	42.91	43.08	43.75	43.11		
25	53.01		43.08	44.26	43.79	42.77	42.84	43.08	43.25	43.14		
26	52.93		42.98	44.26	43.47	42.70	42.92	43.12	42.68	43.27		
27	52.76		42.92	43.01	43.37	42.75	42.87	43.15	42.93	43.25		
28	52.61		42.89	43.07	43.36	42.83	42.82	43.19	42.88	43.17		
29	52.82	-----	43.42	43.06	44.75	42.69	42.85	43.23	42.85	43.09		
30	52.63	-----	45.08	43.02	44.06	42.59	42.77	43.24	42.83	43.03		
31	52.32	-----	45.62	-----	43.39	-----	42.75	43.26	-----	42.99	-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	47.67	49.04	44.61	44.34	43.50	43.28	42.83	43.10	43.03	42.83	42.78	
MAX	53.01	52.04	48.89	46.16	45.44	48.07	43.17	43.57	43.75	43.27	43.20	
MIN	42.97	45.62	42.89	43.01	42.87	42.41	42.51	42.78	42.42	42.44	42.37	
DAYS	31	22	31	30	31	30	31	31	30	31	18	0

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 316

THE MEAN STAGE FOR THE YEAR WAS 44.21.

HIGHEST STAGE WAS 53.04 AT 1:00 P.M. ON JAN 25.

LOWEST STAGE (FROM INCOMPLETE RECORDS) WAS 42.29 ON NOV 4.



## DAILY STAGE FOR 1990

BAYOU DU LAC NEAR HESSMER, LA.

LOCATION. LAT. 31-01-13, LONG. 92-08-54. ON HIGHWAY 115 BRIDGE, 3.6 MILES SOUTHWEST OF HESSMER, LA..  
(STA. 5520011.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

RECORDS AVAILABLE. INTERMITTENTLY, 1937 TO 1947. DAILY, JAN. 31, 1947 TO DATE.

EXTREMES. HIGHEST, 54.34 FEET ON MAY 21 AND 22, 1953. LOWEST, 37.0 FEET FROM JUNE 15 TO 20, 1948,  
AND LATER DATES.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	38.92	49.14	44.87	42.51	39.08	42.89	37.76	38.07	37.88	37.67	37.48	38.53
2	38.24	48.98	45.91	41.09	39.04	43.91	37.84	38.26	38.05	37.67	37.45	38.09
3	38.02	48.79	46.05	40.71	39.00	43.64	38.16	38.37	38.23	37.64	37.46	39.73
4	43.78	49.71	45.91	39.90	38.62	43.03	38.21	38.36	38.02	37.59	37.44	43.00
5	43.76	49.27	45.33	39.24	38.39	41.82	38.57	38.06	37.99	37.60	37.65	42.07
6	44.17	48.12	44.44	39.03	38.78	40.88	38.63	37.87	38.22	37.57	37.81	40.31
7	44.70	47.58	43.92	39.61	39.25	39.89	38.54	37.54	38.04	37.60	37.86	40.14
8	44.98	47.08	43.34	39.39	39.29	39.10	38.29	37.55	37.84	37.65	37.63	41.10
9	44.33	46.88	41.93	38.94	42.67	38.73	37.96	37.38	37.82	37.66	37.77	40.46
10	44.07	46.93	40.74	39.23	42.24	38.47	37.61	37.48	37.74	37.98	38.42	39.31
11	43.71	47.63	40.51	43.19	40.71	38.16	37.66	37.59	38.45	37.92	38.70	38.60
12	42.63	47.06	41.22	44.07	39.53	37.88	38.17	37.69	38.09	37.82	38.30	38.22
13	41.82	46.22	40.91	43.26	39.65	37.78	38.94	37.84	38.57	37.76	37.86	38.01
14	39.71	45.55	40.53	41.71	40.06	37.72	39.23	37.87	38.20	37.61	37.64	37.95
15	38.99	45.06	40.05	41.02	39.38	37.88	38.62	37.72	37.94	37.54	37.57	38.95
16	38.67	46.36	44.49	40.86	38.81	37.97	38.24	37.41	37.80	37.53	37.51	39.69
17	38.48	46.54	44.57	40.06	38.72	38.12	38.24	37.69	37.77	37.52	37.54	40.05
18	38.60	46.37	44.16	39.67	38.67	38.26	38.28	38.10	37.81	37.50	37.53	40.70
19	44.08	46.37	42.91	39.17	38.73	38.00	38.22	38.05	38.21	37.74	37.48	41.28
20	44.79	46.42	41.99	38.97	38.92	37.72	38.22	37.93	38.25	37.62	37.56	41.37
21	45.22	45.55	40.81	38.93	39.04	37.59	38.05	37.90	38.27	37.61	37.61	43.00
22	45.54	46.40	39.68	39.18	39.42	37.59	38.16	37.79	38.15	38.35	37.52	42.63
23	45.69	47.68	39.40	38.98	39.34	38.15	38.21	37.81	38.35	39.49	37.48	45.32
24	46.56	47.80	39.19	38.83	38.95	37.92	38.33	38.06	38.18	39.02	37.61	45.16
25	48.67	47.49	39.09	39.18	38.65	37.79	38.42	38.32	37.94	38.26	37.69	44.92
26	49.92	47.18	39.34	39.31	38.43	37.63	38.36	38.25	37.86	37.87	37.63	44.44
27	49.22	46.37	38.99	39.20	37.97	37.67	38.13	38.05	37.83	37.65	37.74	44.23
28	49.16	45.38	38.51	39.17	38.18	37.62	38.05	37.90	37.84	37.58	38.38	44.26
29	50.16	-----	39.22	39.17	40.60	37.56	38.12	37.83	37.77	37.57	39.30	43.87
30	50.23	-----	42.60	39.01	41.08	37.59	38.07	37.91	37.72	37.60	39.23	43.75
31	50.10	-----	43.36	-----	40.29	-----	38.17	37.96	-----	37.60	-----	43.68

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	44.09	47.14	42.06	40.09	39.40	38.96	38.24	37.89	38.03	37.80	37.83	41.38
MAX	50.23	49.71	46.05	44.07	42.67	43.91	39.23	38.37	38.57	39.49	39.30	45.32
MIN	38.02	45.06	38.51	38.83	37.97	37.56	37.61	37.38	37.72	37.50	37.44	37.95
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 40.20.

HIGHEST STAGE WAS 50.30 AT 6:15 A.M. ON JAN 30.

LOWEST STAGE WAS 37.00 ON NOV 1.

## DAILY STAGE FOR 1990

BAYOU DES GLAISES NEAR COTTONPORT, LA.

LOCATION. LAT. 31-00-28, LONG. 92-03-03. ON HIGHWAY 107 BRIDGE, 1.7 MILES NORTH OF COTTONPORT, LA.  
(STA. 5525011.)

GAGE. AUTOMATIC RECORDER AND WIRE-WEIGHT.

RECORDS AVAILABLE. MAR. 15, 1955 TO DATE.

EXTREMES. HIGHEST, (FROM INCOMPLETE RECORD) 50.25 FEET ON JAN. 9, 1983. LOWEST, 32.60 FEET ON  
SEP. 4, 1990 AND LATER DATES.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	35.44	48.20	43.29	40.39	36.43	39.51	34.54	35.15	34.68	34.39		35.95
2	35.16	48.01	43.68	38.95	36.46	41.20	34.37	35.05	34.87	34.37		35.29
3	35.00	47.78	43.74	37.89	36.39	41.46	35.22	35.48	35.15	34.37		36.51
4	40.91	47.55	43.59	37.08	36.08	41.08	35.26	35.44	35.03	34.26		40.34
5	41.25	47.20	43.24	36.59	35.49	39.84	35.72	35.18	34.81	34.26		39.39
6	41.87	46.74	42.78	36.37	35.84	38.81	35.83	34.81	35.14	34.22		37.94
7	42.44	46.22	42.25	36.28	36.64	37.75	35.79	34.27	35.10	34.20		37.52
8	42.46	45.66	41.59	36.24	36.74	36.77	35.52	33.90	34.75	34.36		38.26
9	42.41	45.56	40.10	36.19	40.01	36.09	35.03	33.79	34.65	34.40		37.78
10	42.24	45.47	38.74	36.51	40.17	35.76	34.44	33.84	34.48	34.37		36.69
11	41.82	45.23		39.43	38.64	35.31	34.20	34.00	35.20	34.35		35.86
12	40.71	44.88		41.36	37.31	34.81	34.98	34.37	35.04	34.30		35.34
13	39.20	44.44		41.19	36.89	34.64	35.68	34.46	35.54	34.27		34.96
14	37.69	43.95		39.81	37.77	34.40	36.66	34.60	35.39	34.25		34.76
15	36.90	43.68		38.82	37.07	34.68	35.95	34.50	34.94			33.58
16	36.42	43.81		38.67	36.33	34.85	35.33	34.06	34.67		34.11	33.54
17	36.15	44.01		37.88	36.12	35.10	35.24	34.18	34.59		34.13	33.54
18	36.00	43.90		37.13	36.02	35.39	35.27	34.75	34.57		34.04	33.54
19	41.24	44.04		36.75	35.91	35.10	35.26	34.95	34.91	34.16		33.58
20	42.48	43.93		36.43	36.14	34.57	35.19	34.69	35.25	34.17	34.16	33.59
21	43.06	43.67		36.27	36.30	34.43	35.05	34.63	35.30		34.36	33.60
22	43.45	44.78		36.53	36.64	34.27	35.01	34.58	35.12		34.24	38.30
23	43.75	45.03		36.42	36.85	35.14	35.23	34.62	35.30		34.18	41.81
24	45.21	45.13		36.19	36.41	34.95	35.29	34.75	35.16		34.16	42.61
25	47.88	45.05		36.32	35.99	34.69	35.46	35.20	34.86		34.42	42.65
26	48.29	44.75		36.86	35.60	34.53	35.42	35.35	34.69		34.49	42.88
27	48.28	44.31		36.63	34.94	34.29	35.14	35.10	34.63		34.51	42.83
28	48.20	43.79		36.64	35.00	34.42	34.90	34.78	34.67		35.11	42.77
29	48.49	-----		36.74	37.73	34.25	35.09	34.70	34.59		36.45	42.62
30	48.51	-----		36.49	38.72	34.17	35.09	34.76	34.46		36.68	42.33
31	48.38	-----	-----	-----	38.00	-----	35.03	34.83	-----	-----	-----	41.95

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	41.98	45.24	42.30	37.50	36.79	36.08	35.23	34.67	34.92	34.29	34.61	37.82
MAX	48.51	48.20	43.74	41.36	40.17	41.46	36.66	35.48	35.54	34.40	36.68	42.88
MIN	35.00	43.67	38.74	36.19	34.94	34.17	34.20	33.79	34.46	34.16	34.04	33.54
DAYS	31	28	10	30	31	30	31	31	30	16	15	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 314

THE MEAN STAGE FOR THE YEAR WAS 37.56.

HIGHEST STAGE WAS 48.60 AT 10:00 P.M. ON JAN 29.

LOWEST STAGE WAS 33.50 ON DEC 17 AND LATER DATE(S).

## DAILY STAGE FOR 1990

COULEE DES GRUES AT MARKSVILLE, LA.

LOCATION. LAT. 31-06-32, LONG. 92-03-49. EAST OF HIGHWAY 1 BRIDGE. (STA. 5555011.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. INTERMITTENTLY, 1932, 1937 TO 1942, AND 1944 TO 1946. DAILY, AUG. 14, 1946, TO DATE.

EXTREMES. HIGHEST, (FROM INCOMPLETE RECORD) 59.7 FEET ON APR. 25, 1945. LOWEST, 40.0 FEET ON JAN. 2 AND 9, 1972.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	42.0	47.2	44.0	43.4	42.0	42.0	41.9	42.0	41.7			
2	42.0	47.1	46.1	42.9	42.0	43.0	41.9	42.0	41.6			
3	43.0	47.0	45.8	42.6	42.0	44.2	41.9	42.1	41.6			
4	45.3	46.9	45.0	42.5	41.9	43.5	41.9	42.0	41.6			
5	44.5	46.7	44.3	42.4	41.9	43.1	41.9	42.0	41.6			42.8
6	45.0	46.5	44.0	42.2	41.9	42.9	41.8	42.0	41.6			42.9
7	45.8	46.2	43.9	42.3	41.9	42.7	41.8	42.0	41.6			43.0
8	45.6	45.8	43.7	42.2	41.9	42.5	41.8	42.0	41.6			43.0
9	44.9	46.2	43.5	42.2	44.6	42.3	41.8	42.0	41.6			42.9
10	43.8	46.1	43.5	42.1	43.6	42.2	41.8	42.0	41.6			42.9
11	43.1	46.0	43.3	44.1	42.8	42.2	41.8	41.9	41.6			42.8
12	42.8	45.5	43.2	44.2	42.4	42.2	41.9	41.9	41.6			42.7
13	42.6	44.7	43.2	43.6	43.5	42.2	42.0	41.9	41.6			42.6
14	42.3	44.1	43.1	42.9	42.8	42.1	41.9	41.9	41.6			42.5
15	42.3	44.0	43.1	42.7	42.5	42.1	41.9	41.9	41.6			42.5
16	42.2	46.7	44.0	42.5	42.4	42.1	41.9	41.9	41.6			42.4
17	42.2	46.3	44.5	42.4	42.5	42.1	41.9	41.9	41.5			42.4
18	42.2	45.6	44.0	42.3	42.5	42.0	41.9	41.8	41.5			42.4
19	44.5	45.7	43.5	42.3	42.4	42.0	41.9	41.8	41.5			42.3
20	46.1	45.3	43.2	42.2	42.4	42.0	41.8	41.8	41.5			42.3
21	46.1	44.5	43.0	42.2	42.4	42.0	41.8	41.8	41.5			42.3
22	46.0	47.3	42.9	42.2	42.3	42.0	41.8	41.8	41.5			42.7
23	45.9	47.0	42.8	42.2	42.3	42.0	41.8	41.8	41.5			47.4
24	48.0	46.9	42.7	42.2	42.3	41.9	42.5	41.8	41.5			47.1
25	48.5	46.4	42.6	42.1	42.3	41.9	42.3	41.8	41.5			46.9
26	48.0	45.8	42.5	42.1	42.2	41.9	42.1	41.8	41.5			46.3
27	47.8	45.0	42.5	42.1	42.2	41.9	42.0	41.7	41.5			45.7
28	47.5	44.5	42.4	42.1	44.5	41.9	42.0	41.7	41.5			45.1
29	48.0	-----	43.0	42.1	44.0	41.9	42.0	41.7	41.5			44.5
30	48.0	-----	43.3	42.0	43.0	41.9	42.0	41.7				
31	47.5	-----	43.7	-----	42.5	-----	42.0	41.7	-----			

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	45.0	46.0	43.6	42.5	42.6	42.3	41.9	41.9	41.6			43.6
MAX	48.5	47.3	46.1	44.2	44.6	44.2	42.5	42.1	41.7			47.4
MIN	42.0	44.0	42.4	42.0	41.9	41.9	41.8	41.7	41.5			42.3
DAYS	31	28	31	30	31	30	31	31	29	0	0	25

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 297

THE MEAN STAGE FOR THE YEAR WAS 43.1.

HIGHEST STAGE WAS 48.5 ON JAN 25.

LOWEST STAGE WAS 41.5 ON SEP 17 AND LATER DATE(S).

## DAILY STAGE FOR 1990

BAYOU DES GLAISES (RS) AT HAMBURG, LA.

LOCATION. LAT. 31-01-08, LONG. 91-55-11. GAGING HOUSE ON CROWN OF LEVEE, NEAR HIGHWAY 1 AND WABPL.  
(STA. 5590011.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1932, 1937, 1945, 1946, 1949, 1950, AND, 1952. DAILY, FEB.  
1971 TO DATE.EXTREMES. (FROM 1971 TO DATE) HIGHEST, 56.41 FEET ON MAY 15, 1973. LOWEST, (FROM INCOMPLETE  
RECORD) 22.00 FEET ON JUL. 16, 1980.

DAILY EIGHT A.M. STAGE IN FEB.

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	24.45	28.15	34.70	32.80	26.12	35.52	28.26	23.75	23.48	23.49	24.12	24.17
2	24.40	28.14	35.10	32.90	26.26	36.11	27.94	23.75	23.50	23.44	24.18	24.37
3	24.33	28.12	35.33	32.64	26.34	36.31	26.63	23.74	23.50	23.42	24.37	24.45
4	25.21	28.15	35.33	32.30	26.41	36.60	25.36	23.74	23.49	23.42	24.57	24.15
5	25.44	28.08	35.27	32.02	26.39	36.90	25.10	23.74	23.53	23.50	24.25	23.97
6	25.84	28.09	35.23	31.63	26.31	37.30	24.41	23.73	23.52	23.42	24.19	23.96
7	26.05	28.14	35.33	30.70	26.36	37.45	24.65	23.72	23.54	23.53	24.26	23.99
8	26.12	28.22	35.33	30.47	26.37	37.56	24.74	23.72	23.57	23.54	24.20	23.95
9	26.05	28.63	34.86	30.44	27.07	37.65	24.42	23.71	23.58	23.54	24.30	23.96
10	25.87	28.90	34.04	29.57	27.47	37.71	24.07	23.71	23.64		24.16	23.96
11	25.65	29.02	34.11	28.95	27.84	37.80	23.92	23.72	23.59		24.14	23.97
12	25.30	29.21	34.33	28.26	28.55	37.81	23.72	23.72	23.76		24.15	24.23
13	24.97	29.87	33.41	28.20	29.05	37.85	23.68	23.76	23.68		24.17 F	24.33
14	24.85	30.42	32.52	27.34	29.57	37.80	23.92	23.80	23.56		24.19 F	24.35
15	24.77	30.86	32.24	27.06	31.07	37.65	23.93	23.85	23.50		24.20 F	24.33
16	24.72	31.08	31.89	26.84	31.52	37.31	23.90	23.90	23.48		24.30	
17	24.66	31.92	31.37	26.27	31.87	37.16	23.95	24.15	23.53		24.31	
18	25.25	32.37	31.30	25.75	31.85	36.87		23.92	23.48		24.16	
19	26.39	32.72	31.30	25.64	31.58	36.13		23.78	23.55		24.29	
20	26.61	32.94	30.87	25.50	31.74	35.36		23.68	23.57		24.34 F	24.75
21	26.80	33.40	30.76	25.44	31.85	34.86		23.63	23.52		24.38	
22	26.87	33.65	30.74	25.25	31.73	34.64		23.64	23.54		24.44	
23	26.88	33.89	30.82	24.93	31.79	33.18		23.56	23.48		24.46	
24	27.32	33.95	31.21	25.47	31.85	32.81		23.57	23.17		24.20	
25	28.47	34.05	31.15	26.01	32.01	32.58 F	23.98	23.61	23.30 F	23.91	24.30	
26	28.03	34.10	31.14	25.96	32.95	31.59	23.87	23.63	23.22	23.72	24.61 F	24.80
27	28.01	34.57	31.65	25.95	33.61	31.18	23.84	23.53	23.37	23.79	24.66 F	24.83
28	28.07	34.66	31.95	26.21	33.18	29.70		23.47	23.37	23.82	24.50	24.59
29	28.17	-----	32.51	26.24	33.69	29.30		23.45	23.43	23.91	24.20	25.05
30	28.11	-----	32.80	26.25	34.35	28.59 F	23.80	23.44	23.49	23.96	24.13	
31	28.14	-----	32.67	-----	35.09	-----	23.75	23.44	-----	23.95	-----	26.40

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	26.19	30.90	32.94	28.10	30.06	35.31	24.64	23.70	23.50	23.65	24.29	24.41
MAX	28.47	34.66	35.33	32.90	35.09	37.85	28.26	24.15	23.76	23.96	24.66	26.40
MIN	24.33	28.08	30.74	24.93	26.12	28.59	23.75	23.44	23.17	23.42	24.12	23.95
DAYS	31	28	31	30	31	30	22	31	30	16	30	21

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 331

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 27.59.

HIGHEST STAGE WAS 38.20 AT 3:30 P.M. ON JUN 11.

LOWEST STAGE WAS 23.15 ON SEP 24.

## DAILY STAGE FOR 1990

WABPL BORROW PIT (LS) AT BAYOU ROUGE (LA.)

LOCATION LAT. 30-45-20, LONG. 91-54-40. ON CONCRETE BRIDGE NEAR JUNCTION WITH BAYOU ROUGE, 2.7 MILES NORTH OF PALMETTO, LA. (STA. 5805012A.)

GAGE. AUTOMATIC RECORDER AND WIRE-WEIGHT.

RECORDS AVAILABLE. FEB. 13, 1937 TO 1979, AND OCT. 8, 1981 TO DATE.

EXTREMES. HIGHEST, 33.2 FEET (FROM WATERMARK) IN MAY 1953. LOWEST, 9.8 FEET ON OCT. 15 AND 16, 1950.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	18.37	23.00	19.00	18.28	17.39	18.55	17.34	17.25	17.45	17.14	17.41	
2	17.39	22.01	21.54	18.05	17.37	18.52	17.33	17.24	17.45	16.21	17.41	13.70
3	16.27	21.54	21.90	17.84	17.34	18.24	17.33	17.23	17.45	16.07	17.41	16.12
4	18.00	21.91	20.27	17.67	17.32	18.11	17.35	17.22	17.44	16.45	17.41	16.01
5	22.05	21.32	19.53	17.54	17.29	17.90	17.33	17.22	17.50	16.93	17.43	16.42
6	23.16	20.69	19.08	17.40	17.27	17.68	17.35	17.20	17.47	17.19	17.40	16.37
7	22.79	20.29	18.82	17.33	17.25	17.47	17.35	17.13	17.47	17.35	17.40	15.99
8	22.61	19.98	18.57	17.24	17.44	17.55	17.34	17.12	17.47	17.39	17.39	16.74
9	20.89	20.77	18.31	17.49	18.82	17.47	17.32	17.06	17.46	17.41	17.52	16.99
10	19.46	22.07	18.03	17.54	20.03	17.39	17.27	17.02	17.45	17.35	17.50	16.91
11	18.86	21.14	17.82	17.54	17.38	17.42	17.21	16.97	17.45	17.40	17.08	15.53
12	18.39	20.12	17.69	18.00	17.95	17.35	17.17	16.93	17.48	17.41	16.30	15.09
13	17.79	19.61	17.65	18.17	17.62	17.27	17.30	16.92	17.23	17.41	15.42	15.32
14	17.09	19.28	17.68	18.03	17.37	17.41	17.35	17.13	17.39	17.42	14.45	15.65
15	16.38	19.04	17.84	17.83	17.24	17.44	17.37	17.32	17.50	17.42		15.85
16	16.82	21.27	17.95	17.60	16.99	17.45	17.34	17.39	17.51	17.43		15.95
17	17.02	22.64	18.46	17.54	17.21	17.44	17.35	17.42	17.50	17.43		16.04
18	17.55	20.84	18.44	17.36	17.35	17.43	17.33	17.42	17.36	17.37		15.20
19	22.81	21.18	18.30	17.16	17.42	17.44	17.32	17.43	17.40	17.21		14.44
20	21.09	20.74	18.06	17.35	17.42	17.44	17.32	17.43	17.49	17.24 F	12.45	15.25
21	22.55	19.71	17.81	17.46	17.40	17.42	17.36	17.44	17.49	17.36	12.43	15.97
22	21.85	22.37	17.51	17.47	17.34	17.40	17.37	17.44	17.50	17.51	12.42	16.30
23	20.09	23.29	17.53	17.45	17.34	17.41	17.36	17.45	17.46	17.55		17.45
24	20.68	21.73	17.53	17.45	17.34	17.39	17.36	17.46	17.46	17.62		18.82
25	27.83	20.35	17.37	17.43	17.46	17.40	17.35	17.47	17.47	17.57		17.69
26	28.00	19.81	17.27	17.43	17.51	17.41	17.37	17.49	17.47	17.52		17.24
27	27.74	19.47	17.12	17.45	17.49	17.39	17.38	17.47	17.47	17.48		16.96
28	26.90	19.20	16.89	17.46	17.15	17.44	17.35	17.46	17.47	17.47		16.67
29	26.44	-----	17.04	17.46	17.44	17.42	17.31	17.44	17.48	17.45 F	10.80	17.85
30	25.84	-----	17.80	17.44	17.77	17.38	17.29	17.44	17.47	17.41	-----	18.02
31	24.58	-----	18.37	-----	17.83	-----	17.27	17.45	-----	17.41	-----	17.86

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	21.20	20.91	18.30	17.58	17.53	17.57	17.33	17.29	17.46	17.28	15.87	16.35
MAX	28.00	23.29	21.90	18.28	20.03	18.55	17.38	17.49	17.51	17.62	17.52	18.82
MIN	16.27	19.04	16.89	17.16	16.99	17.27	17.17	16.92	17.23	16.07	10.80	13.70
DAYS	31	28	31	30	31	30	31	31	30	31	18	30

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 352  
 F=NOT AT STATED TIME  
 THE MEAN STAGE FOR THE YEAR WAS 17.94.  
 HIGHEST STAGE WAS 28.02 AT 3:00 A.M. ON JAN 26.  
 LOWEST STAGE WAS NOT DETERMINED.

## DAILY STAGE FOR 1990

BIG DARBONNE BAYOU (LS) AT COURTABLEAU, LA.

LOCATION. LAT. 30-33-05, LONG. 91-51-55. ON WEST SIDE OF LEVEE AT DARBONNE BAYOU CONTROL STRUCTURE. (STA. 5815012E.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. INTERMITTENTLY, 1931 TO 1934, 1941 TO 1958, AND 1961 TO 1966. DAILY, MAY 1966 TO DATE.

EXTREMES. HIGHEST, 25.6 FEET ON MAY 23, 1953. LOWEST, (FROM INCOMPLETE RECORD) 10.5 FEET ON SEP. 15, 1954.

DAILY SEVEN A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	G 18.10	18.80	18.60 G	18.45 G	17.85 G	18.30 G	17.80 G	17.70 G	17.90 G	17.95 G	17.85 G	12.35
2	G 17.50	18.70	19.20 G	18.35 G	17.80 G	18.50 G	17.75 G	17.70 G	17.90 G	17.95 G	17.90 G	14.20
3	G 16.50	18.60	19.40 G	18.20 G	17.75 G	18.35 G	17.75 G	17.65 G	17.90 G	16.55 G	17.90 G	16.20
4	G 17.40	18.70	19.10 G	18.10 G	17.75 G	18.25 G	17.75 G	17.65 G	17.90 G	16.90 G	17.85 G	16.40
5	G 19.40	18.60	18.90 G	17.90 G	17.75 G	18.20 G	17.80 G	17.65 G	17.95 G	17.45 G	17.85 G	16.65
6	18.60	19.10	18.80 G	17.85 G	17.75 G	18.10 G	17.80 G	17.65 G	17.95 G	17.45 G	17.90 G	16.80
7	18.60	19.00	18.60 G	17.80 G	17.70 G	17.85 G	17.80 G	17.60 G	17.95 G	17.85 G	17.90 G	16.40
8	18.60	18.90	18.50 G	17.65 G	17.85 G	17.95 G	17.80 G	17.60 G	17.95 G	17.85 G	17.85 G	17.25
9	18.50	19.20	18.40 G	17.95 G	18.20 G	17.90 G	17.75 G	17.55 G	17.95 G	17.90 G	17.85 G	17.45
10	18.30	19.50	18.30 G	18.00 G	18.90 G	17.85 G	17.75 G	17.50 G	17.95 G	17.90 G	17.65 G	17.50
11	18.10	19.30	18.20 G	18.00 G	17.10 G	17.85 G	17.70 G	17.45 G	17.95 G	17.90 G	17.60 G	15.95
12	17.90	19.00	18.10 G	18.20 G	18.25 G	17.80 G	17.70 G	17.40 G	17.95 G	17.95 G	16.60 G	15.55
13	17.50	18.80 G	17.80 G	18.40 G	18.00 G	17.75 G	17.75 G	17.40 G	17.95 G	17.95 G	16.15 G	15.75
14	17.00	18.30 G	18.20 G	18.25 G	17.75 G	17.85 G	17.75 G	17.50 G	17.90 G	17.95 G	15.10 G	16.20
15	16.40	18.40 G	18.30 G	18.15 G	17.65 G	17.90 G	17.80 G	17.75 G	17.90 G	17.95 G	14.20 G	16.25
16	G 17.20	19.00 G	18.40 G	17.95 G	17.40 G	17.90 G	17.80 G	17.85 G	17.90 G	17.90 G	14.15 G	16.40
17	G 17.40	19.30 G	18.50 G	17.90 G	17.65 G	17.90 G	17.80 G	17.85 G	17.95 G	17.90 G	13.30 G	16.50
18	G 17.50	19.00 G	18.60 G	17.85 G	17.80 G	17.85 G	17.75 G	17.85 G	17.95 G	17.90 G	13.25 G	15.65
19	G 18.80	19.10 G	18.50 G	17.60 G	17.85 G	17.90 G	17.75 G	17.85 G	17.90 G	17.95 G	12.00 G	14.95
20	18.30	19.00 G	18.40 G	17.75 G	17.85 G	17.90 G	17.75 G	17.90 G	17.90 G	17.95 G	11.70 G	15.65
21	18.50	18.80 G	18.20 G	17.90 G	17.80 G	17.90 G	17.80 G	17.90 G	17.95 G	17.85	11.50 G	16.30
22	18.40	19.10 G	18.00 G	17.90 G	17.80 G	17.85 G	17.80 G	17.90 G	17.95 G	17.85	11.30 G	16.75
23	18.30	19.50 G	18.00 G	17.85 G	17.75 G	17.85 G	17.80 G	17.90 G	17.95 G	17.95	11.70 G	17.75
24	18.50	19.30 G	17.95 G	17.90 G	17.75 G	17.85 G	17.80 G	17.95 G	17.95 G	18.00	11.70 G	18.55
25	19.40	19.00 G	17.85 G	17.85 G	17.85 G	17.85 G	17.80 G	17.95 G	17.95 G	18.00	11.10 G	17.55
26	19.50	18.90 G	17.75 G	17.85 G	17.95 G	17.85 G	17.85 G	17.95 G	17.95 G	17.95	11.00 G	17.25
27	19.40	18.80 G	17.60 G	17.85 G	17.90 G	17.85 G	17.85 G	17.95 G	17.95 G	17.95	11.10 G	16.75
28	19.30	18.70 G	17.40 G	17.90 G	17.65 G	17.90 G	17.80 G	17.95 G	17.95 G	17.95	11.30 G	16.40
29	19.40	----- G	17.45 G	17.85 G	17.85 G	17.90 G	17.75 G	17.90 G	17.95 G	17.90 G	11.40 G	17.95
30	19.40	----- G	18.25 G	17.90 G	18.15 G	17.85 G	17.75 G	17.90 G	17.95 G	17.90 G	11.70 G	18.05
31	19.30	----- G	18.45	----- G	18.20	----- G	17.75 G	17.90	----- G	17.85	----- G	18.10

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	18.29	18.94	18.31	17.97	17.85	17.95	17.78	17.75	17.93	17.81	14.54	16.50
MAX	19.50	19.50	19.40	18.45	18.90	18.50	17.85	17.95	17.95	18.00	17.90	18.55
MIN	16.40	18.30	17.40	17.60	17.10	17.75	17.70	17.40	17.90	16.55	11.00	12.35
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

G=GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 17.63.

HIGHEST STAGE WAS 19.50 ON JAN 26 AND LATER DATE(S).

LOWEST STAGE WAS 11.00 ON NOV 26.

## DAILY STAGE FOR 1990

BAYOU COURTABLEAU AT WASHINGTON, LA.

LOCATION. LAT. 30-37-05, LONG. 92-03-20. ON STATE HIGHWAY 10 BRIDGE, SIX MILES NORTH OF OPELOUSAS, LA. (STA. 5820012A.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U. S. GEOLOGICAL SURVEY SINCE JULY 1946.

RECORDS AVAILABLE. STAGE, INTERMITTENTLY, 1939 TO 1946. DAILY, JULY 1946 TO DATE. DISCHARGE, DAILY, COMPUTED AND PUBLISHED BY U.S. GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 35.29 FEET ON MAY 22, 1953. LOWEST, 10.72 FEET ON OCT. 18, 1956.

## MEAN DAILY STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	21.28	29.00	22.39	20.48	18.32		18.22	18.13	18.32	17.99	18.32	13.15
2	19.28	28.76	24.60	20.01	18.26		18.20	18.11	18.32	17.19	18.31	14.70
3	17.80	28.60	25.29	19.56	18.23		18.21	18.08	18.31	17.05	18.31	16.98
4	21.22	28.48	24.96	19.22	18.22		18.22	18.07	18.31	17.43	18.31	17.29
5	24.63	28.23	23.94	18.92	18.23		18.20	18.08	18.35	17.84	18.31	17.33
6	25.73	27.89	22.58	18.73	18.21		18.22	18.06	18.33	18.10	18.31	16.98
7	26.17	27.49	21.16	18.60	18.19	18.45	18.22	18.03	18.33	18.23	18.30	17.38
8	26.20	27.13	20.22	18.51	18.28	18.46	18.20	17.99	18.32	18.27	18.30	18.16
9	25.78	27.12	19.82	18.63	19.83	18.39	18.17	17.95	18.31	18.29	18.43	18.23
10	25.09	27.05	19.60	18.62	21.07	18.32	18.14	17.90	18.31	18.29	18.43	17.80
11	24.12	26.90	19.38	18.77	19.65	18.33	18.09	17.85	18.31	18.28	17.95	16.59
12	22.73	26.47	19.19	19.39	19.37	18.25	18.06	17.81	18.33	18.28	17.12	16.13
13	20.95	25.88	19.09	19.50		18.21	18.17	17.82	18.15	18.28	16.21	16.36
14	19.14	25.14	19.14	19.25		18.29	18.21	18.04	18.29	18.29	15.28	16.66
15	17.96	24.59	19.48	19.03		18.32	18.23	18.21	18.39	18.30	14.44	16.83
16	18.11	24.86	20.52	18.87		18.33	18.23	18.28	18.38	18.30		16.91
17	18.24	25.30	21.43	18.71		18.31	18.24	18.30	18.37	18.30		16.79
18	20.47	25.37	21.56	18.51		18.30	18.22	18.29	18.25	18.31		16.07
19	23.64	25.20	21.27	18.27		18.32	18.21	18.30	18.32	18.10		15.60
20	24.14	24.82	20.77	18.37		18.31	18.21	18.30	18.38	18.13		16.29
21	24.99	24.26	20.12	18.45		18.29	18.28	18.30	18.39	18.31		17.01
22	25.07	24.95	19.54	18.44		18.27	18.29	18.31	18.37	18.49		17.62
23	24.82	25.82	19.26	18.43		18.27	18.27	18.32	18.35	18.50		20.47
24	26.21	25.99	18.99	18.40		18.26	18.26	18.33	18.34	18.54		22.37
25	28.54	25.62	18.74	18.36		18.28	18.26	18.37	18.35	18.47		22.41
26	29.20	25.01	18.51	18.34		18.28	18.30	18.36	18.35	18.40		21.77
27	29.29	24.28	18.28	18.35		18.27	18.29	18.34	18.35	18.37		20.48
28	29.15	23.29	18.02	18.38		18.33	18.23	18.32	18.35	18.36	11.82	19.62
29	29.31	-----	18.22	18.39		18.32	18.19	18.31	18.36	18.33	12.22	19.79
30	29.32	-----	19.71	18.37		18.27	18.17	18.30	18.35	18.32	12.63	19.57
31	29.22	-----	20.62	-----		-----	18.15	18.32	-----	18.32	-----	19.20

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	24.12	26.20	20.53	18.80	18.82	18.31	18.21	18.17	18.33	18.18	16.72	17.82
MAX	29.32	29.00	25.29	20.48	21.07	18.46	18.30	18.37	18.39	18.54	18.43	22.41
MIN	17.80	23.29	18.02	18.27	18.19	18.21	18.06	17.81	18.15	17.05	11.82	13.15
DAYS	31	28	31	30	12	24	31	31	30	31	18	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 328

THE MEAN STAGE FOR THE YEAR WAS 19.64.

HIGHEST STAGE WAS 29.35 AT 7:00 P.M. ON JAN 29.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 11.62 ON NOV 27.

## DAILY STAGE FOR 1990

BAYOU LAUKSHA NEAR LEBEAU, LA.

LOCATION. LAT. 30-42-05, LONG. 92-00-49. ON STATE HIGHWAY 10 BRIDGE, 3.1 MILES SOUTHWEST OF LEBEAU.  
(STA. 5824012A.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. DRAINAGE AREA, 95 SQUARE MILES.

RECORDS AVAILABLE. STAGE, MAY 1969 TO DATE. DISCHARGE, 1969 TO 1972, 1979, AND 1983.

EXTREMES. HIGHEST, 31.64 FEET (CAUSED BY HURRICANE) ON NOV. 02, 1985. LOWEST, 15.97 FEET ON SEP.  
28, 1976.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	25.65	29.78	21.17	20.02	17.67	21.97				F 17.09		
2	24.15	29.67	26.15	19.00	17.67	22.81						
3	20.68	29.59	26.57	18.77	17.67	20.90						
4	23.95	29.47	26.31	19.04	17.67	18.87			F 17.23			18.43
5	27.15	29.30	25.70	18.31	17.68	18.24						18.17
6	27.87	29.10	24.39	17.96	17.88	17.78		F 17.13				
7	28.17	28.82	20.94	17.87	17.68	17.76	F 17.16				F 17.22	
8	28.26	28.45	19.64	17.92	17.70	17.76					19.08	
9	28.15	28.25	19.79	17.79	22.95	17.76					18.39	
10	27.97	27.99	19.40	17.72	24.23	17.76					17.72	F 17.47
11	27.72	27.70	18.81	17.70	23.66	17.76					17.71	F 17.71
12	27.33	27.22	18.52	17.85	22.35	17.79						21.70
13	26.57	26.13	18.46	17.97	19.35	17.78				F 16.93		
14	24.58	22.78	18.50	17.90	18.74	17.78						
15	20.08	21.38	19.39	18.16	18.84	18.88			F 17.20			
16	18.84	25.27	19.52	17.74	17.95	17.83						
17	18.58	26.84	20.57	17.73	17.98	17.78			F 17.29			
18	21.15	26.55	20.07	17.72	18.35	17.79						
19	28.17	26.74	19.37	17.71	18.39	17.77						
20	28.18	26.50	18.95	17.70	18.35	17.77		F 17.26				
21	28.18	25.86	18.50	17.70	17.85	17.77						
22	27.94	26.50	18.17	17.70	17.78	17.77					F 17.71	
23	27.56	26.83	17.97	17.86	17.77	17.77	F 17.28		E 17.90			21.70
24	27.57	26.72	17.92	17.70	17.77	17.77						22.81
25	29.60	26.56	17.83	17.69	17.76	18.05						22.44
26	29.95	26.30	17.74	17.68	17.76							20.20
27	29.90	25.77	17.67	17.68	17.78				F 17.23			18.82
28	29.80	24.57	17.66	18.13	17.78							18.45
29	29.91	-----	17.65	18.17	18.81					F 17.30		19.62
30	29.93	-----	20.05	17.73	18.32							19.06
31	29.87	-----	21.79	-----	18.17	-----			-----		-----	18.60

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	26.56	27.02	20.17	18.02	18.72	18.39	17.22	17.19	17.26	17.35	17.42	19.31
MAX	29.95	29.78	26.57	20.02	24.23	22.81	17.28	17.26	17.29	17.90	17.72	22.81
MIN	18.58	21.38	17.65	17.68	17.67	17.76	17.16	17.13	17.23	17.09	16.93	17.22
DAYS	31	28	31	30	31	25	2	2	2	4	4	18

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 208

E=ESTIMATED F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 21.04.

HIGHEST STAGE WAS 29.95 AT 8:00 A.M. ON JAN 26.

LOWEST STAGE WAS NOT DETERMINED.



## DAILY STAGE FOR 1990

BAYOU COURTABLEAU AT COURTABLEAU, LA.

LOCATION. LAT. 30-32-44. LONG. 91-52-28. ON U. S. HIGHWAY 190 BRIDGE. (STA. 5835012E.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

RECORDS AVAILABLE. INTERMITTENTLY, 1932 TO 1946. DAILY, SEP. 1, 1946 TO DATE.

EXTREMES. HIGHEST, 24.8 FEET ON MAY 25, 1953. LOWEST, 10.55 FEET ON SEP. 15, 1954.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	18.24	19.34	18.47	18.40	17.80	18.31	17.78	17.70	17.88	17.57	17.90	
2	17.58	19.17	19.03	18.30	17.78	18.45	17.77	17.68	17.88	16.68	17.89	13.90
3	16.47	19.09	19.10	18.20	17.75	18.34	17.75	17.65	17.89	16.49	17.88	16.60
4	18.00	19.15	18.98	18.07	17.73	18.22	17.78	17.64	17.88	16.89	17.88	16.40
5	19.20	19.08	18.84	17.96	17.74	18.11	17.74	17.64	17.90	17.39	17.91	16.73
6	18.98	19.00	18.70	17.86	17.70	17.99	17.78	17.63	17.89	17.63	17.88	16.74
7	19.04	18.90	18.55	17.78	17.68	17.83	17.78	17.60	17.89	17.78	17.88	16.50
8	19.03	18.84	18.43	17.68	17.80	17.92	17.77	17.58	17.89	17.84	17.86	17.24
9	18.80	18.99	18.34	17.95	18.36	17.90	17.75	17.52	17.88	17.84	17.95	17.50
10	18.48	19.18	18.27	17.95	18.78	17.82	17.60	17.49	17.87	17.88	17.95	17.43
11	18.27	19.08	18.15	17.98	16.95	17.87	17.64	17.42	17.88	17.85	17.50	15.90
12	18.02	18.90	18.07	18.22	18.19	17.78	17.60	17.39	17.90	17.85	16.72	15.57
13	17.64	18.72	17.99	18.34	17.95	17.70	17.73	17.38	17.66	17.85	15.82	15.83
14	17.10	18.57	18.08	18.22	17.75	17.83	17.78	17.58	17.81	17.85	14.90	16.17
15	16.48	18.45	18.22	18.11	17.56	17.88	17.79	17.75	17.91	17.86	14.30	16.34
16	17.22	18.79	18.35	17.97	17.32	17.89	17.78	17.83	17.92	17.87	13.98	16.43
17	17.43	18.92	18.50	17.86	17.63	17.88	17.78	17.86	17.93	17.86	13.92	16.49
18	17.65	18.83	18.51	17.74	17.78	17.89	17.77	17.85	17.80	17.89	13.91	15.68
19	19.07	18.90	18.45	17.55	17.81	17.86	17.74	17.85	17.83	17.64 F	11.83	14.89
20	18.54	18.85	18.32	17.73	17.80	17.85	17.74	17.87	17.93	17.67		15.67
21	18.84	18.68	18.17	17.85	17.80	17.83	17.79	17.86	17.93	17.78		16.37
22	18.80	18.90	17.92	17.86	17.78	17.80	17.79	17.87	17.92	17.99		16.80
23	18.50	19.10	18.00	17.85	17.75	17.80	17.79	17.88	17.91	17.99		17.64
24	18.90	19.05	17.93	17.83	17.75	17.80	17.78	17.89	17.91	18.03		18.47
25	20.05	18.90	17.84	17.80	17.88	17.83	17.78	17.90	17.90	18.00		17.71
26	20.14	18.80	17.73	17.80	17.90	17.82	17.80	17.90	17.90	17.95 F	11.03	17.12
27	20.10	18.69	17.55	17.80	17.90	17.80	17.80	17.90	17.90	17.93		16.75
28	19.97	18.60	17.32	17.85	17.60	17.87	17.75	17.88	17.90	17.91	14.05	16.40
29	20.00	-----	17.45 F	17.83	17.90	17.85	17.71	17.87	17.90	17.91		17.95
30	19.88	-----	18.18 F	17.84	18.14	17.80	17.70	17.87	17.89	17.90		18.09
31	19.70	-----	18.42	-----	18.19	-----	17.70	17.87	-----	17.89	-----	18.03

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	18.58	18.91	18.25	17.94	17.82	17.92	17.75	17.73	17.88	17.72	16.04	16.64
MAX	20.14	19.34	19.10	18.40	18.78	18.45	17.80	17.90	17.93	18.03	17.95	18.47
MIN	16.47	18.45	17.32	17.55	16.95	17.70	17.60	17.38	17.66	16.49	11.03	13.90
DAYS	31	28	31	30	31	30	31	31	30	31	21	30

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 355

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 17.81.

HIGHEST STAGE WAS 20.14 AT 8:00 A.M. ON JAN 26.

LOWEST STAGE WAS NOT DETERMINED.

## DAILY STAGE FOR 1990

## BAYOU COURTABLEAU ABOVE DRAINAGE STRUCTURE (LA.)

LOCATION. LAT. 30-31-58, LONG. 91-51-30. ON RIGHT BANK OF INLET CHANNEL, 500 FEET ABOVE DRAINAGE STRUCTURE, 1.7 MILES SOUTHEAST OF COURTABLEAU, LA. (STA. 5840012E.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. MAR. 18, 1957 TO DATE.

EXTREMES. HIGHEST, 20.60 FEET ON FEB. 7, 1974. LOWEST, 10.30 FEET ON OCT. 28, 1974.

## DAILY SEVEN A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	18.10	18.80	18.30	18.35	17.80	18.20	17.75	17.65	17.85	17.90	17.80	12.30
2	17.50	18.70	18.80	18.30	17.75	18.40	17.70	17.65	17.85	17.90	17.85	14.25
3	16.50	18.60	19.00	18.20	17.70	18.30	17.70	17.60	17.85	16.50	17.85	16.15
4	17.40	18.70	18.90	18.00	17.70	18.20	17.70	17.60	17.85	16.85	17.80	16.35
5	19.00	18.60	18.80	17.95	17.70	18.10	17.75	17.60	17.90	17.50	17.80	16.60
6	18.60	18.70	18.60	17.80	17.70	18.00	17.75	17.60	17.90	17.50	17.85	16.75
7	18.60	18.60	18.40	17.75	17.65	17.80	17.75	17.55	17.90	17.80	17.85	16.35
8	18.60	18.50	18.40	17.60	17.80	17.90	17.75	17.55	17.90	17.80	17.80	17.20
9		18.70	18.30	17.90	18.15	17.85	17.70	17.50	17.90	17.85	17.80	17.40
10		18.90	18.20	17.95	18.80	17.80	17.70	17.45	17.90	17.85	17.60	17.45
11		18.80	18.10	17.95	16.85	17.80	17.60	17.40	17.90	17.85	17.55	15.90
12		18.70	17.90	18.15	18.20	17.75	17.60	17.35	17.90	17.90	16.55	15.50
13		18.40	17.80	18.30	17.95	17.70	17.70	17.35	17.90	17.90	16.20	15.70
14	17.00	18.30	18.00	18.20	17.70	17.80	17.70	17.55	17.85	17.90	15.20	16.15
15	16.40	18.40	18.10	18.10	17.60	17.85	17.75	17.70	17.85	17.90	14.25	16.20
16	17.20	18.60	18.20	17.90	17.35	17.85	17.75	17.80	17.85	17.85	14.20	16.40
17	17.40	18.70	18.40	17.85	17.60	17.85	17.75	17.80	17.90	17.85	13.40	16.45
18	17.50	18.70	18.50	17.80	17.75	17.80	17.70	17.80	17.90	17.85	12.60	15.60
19	18.80	18.70	18.40	17.55	17.80	17.85	17.70	17.80	17.85	17.90	12.10	14.90
20	18.30	18.60	18.30	17.70	17.80	17.85	17.70	17.85	17.85	17.90	11.75	15.60
21	18.50	18.60	18.10	17.85	17.75	17.85	17.75	17.85	17.90	17.80	11.55	16.25
22	18.40	18.70	17.90	17.85	17.75	17.80	17.75	17.85	17.90	17.80	11.40	16.70
23	18.30	18.90	18.00	17.80	17.70	17.80	17.75	17.85	17.90	17.90	11.75	17.70
24	18.50	18.90	17.90	17.85	17.70	17.80	17.75	17.90	17.90	17.95	11.75	18.50
25	19.40	18.80	17.80	17.80	17.80	17.80	17.75	17.90	17.90	17.95	11.15	17.50
26	19.50	18.70	17.70	17.80	17.90		17.80	17.90	17.90	17.90	11.10	17.20
27	19.40	18.70	17.55	17.80	17.85		17.80	17.90	17.90	17.90	11.15	16.70
28	19.30	18.40	17.45	17.85	17.60		17.75	17.90	17.90	17.90	11.35	16.35
29	19.40	-----	17.40	17.80	17.70		17.70	17.85	17.90	17.85	11.45	17.90
30	19.40	-----	18.10	17.85	18.10		17.70	17.85	17.90	17.85	11.80	18.00
31	19.30	-----	18.40	-----	18.15	-----	17.70	17.85	-----	17.80	-----	18.05

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	18.32	18.66	18.18	17.92	17.79	17.91	17.72	17.70	17.88	17.77	14.54	16.45
MAX	19.50	18.90	19.00	18.35	18.80	18.40	17.80	17.90	17.90	17.95	17.85	18.50
MIN	16.40	18.30	17.40	17.55	16.85	17.70	17.60	17.35	17.85	16.50	11.10	12.30
DAYS	26	28	31	30	31	25	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 355

THE MEAN STAGE FOR THE YEAR WAS 17.55.

HIGHEST STAGE WAS 19.50 ON JAN 26.

LOWEST STAGE WAS 11.10 ON NOV 26.

DAILY GATE-OPENINGS FOR 1990  
BAYOU COURTABLEAU DRAINAGE STRUCTURE

PHYSICAL DATA. DRAINAGE STRUCTURE CONSISTS OF FIVE GATES, EACH TEN FEET WIDE. ALL GATES ARE OPEN THE SAME AMOUNT UNLESS OTHERWISE NOTED.

DAILY SEVEN A.M. GATE OPENINGS IN FEET

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	10	15	15	0	0	0	0	0	0	0	0	0
2	10	15	15	0	0	0	0	0	0	0	0	0
3	10	15	15	0	0	0	0	0	0	0	0	0
4	10	15	15	0	0	0	0	0	0	0	0	3
5	5	15	15	0	0	0	0	0	0	0	0	0
6	15	15	15	0	0	0	0	0	0	0	0	0
7	15	15	15	0	0	0	0	0	0	0	0	0
8	15	15	15	0	0	0	0	0	0	0	0	0
9		15	15	0	0	0	0	0	0	0	0	0
10		15	15	0	0	0	0	0	0	0	0	0
11		15	15	0	15	0	0	0	0	0	0	3
12		15	15	0	0	0	0	0	0	0	0	0
13		15	15	0	0	0	0	0	0	0	0	0
14	15	15	0	0	0	0	0	0	0	0	0	0
15	15	15	0	0	0	0	0	0	0	0	0	0
16	0	15	0	0	0	0	0	0	0	0	0	0
17	0	15	3	0	0	0	0	0	0	0	0	0
18	0	15	3	0	0	0	0	0	0	0	0	0
19	7	15	3	0	0	0	0	0	0	0	0	0
20	15	15	3	0	0	0	0	0	0	0	0	0
21	15	15	3	0	0	0	0	0	0	0	0	0
22	15	15	3	0	0	0	0	0	0	0	0	0
23	15	15	0	0	0	0	0	0	0	0	0	0
24	15	15	0	0	0	0	0	0	0	0	0	0
25	15	15	0	0	0	0	0	0	0	0	0	12
26	15	15	0	0	0		0	0	0	0	0	12
27	15	15	0	0	0		0	0	0	0	0	12
28	15	15	0	0	0		0	0	0	0	0	12
29	15	-----	0	0	0		0	0	0	0	0	1
30	15	-----	0	0	0		0	0	0	0	0	1
31	15	-----	0	-----	0	-----	0	0	-----	0	-----	1

## DAILY STAGE FOR 1990

## BAYOU COURTABLEAU AT DRAINAGE STRUCTURE (LA.)

LOCATION. LAT. 30-31-57, LONG. 91-51-26. ON SOUTHWEST WING WALL OF DRAINAGE STRUCTURE. (STA. 5845012E.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1956 TO 1957. DAILY, MAR. 28, 1957 TO DATE.

EXTREMES. HIGHEST, 20.50 FEET ON APR. 19, 1973 AND FEB. 2 AND 3, 1974. LOWEST, 10.56 FEET ON AUG. 21, 1962.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	18.11	18.83	18.33	18.36	17.75	18.21	17.74	17.62	17.82	17.57	17.84	12.30
2	17.48	18.71	18.72	18.25	17.70	18.35	17.72	17.60	17.82	16.62	17.84	14.02
3	16.47	18.65	18.80		17.67	18.24	17.71	17.59	17.82	16.45	17.83	16.54
4	17.75	18.70	18.70		17.65	18.13	17.73	17.57	17.81	16.83	17.83	16.35
5	19.00	18.65	18.61		17.66	18.03	17.70	17.57	17.86	17.33	17.86	16.65
6	18.54	18.61	18.62		17.63	17.88	17.74	17.57	17.84	17.58	17.85	16.63
7	18.58	18.55	18.49		17.60	17.74	17.74	17.55	17.83	17.72	17.84	16.35
8	18.60	18.49	18.38		17.74	17.83	17.73	17.51	17.83	17.76	17.83	17.02
9	18.45	18.62	18.30		18.26	17.80	17.71	17.46	17.82	17.78	17.92	17.26
10	18.20	18.79	18.22		18.45	17.74	17.66	17.41	17.82	17.83	17.92	17.23
11	18.02	18.72	18.12		16.95	17.76	17.61	17.36	17.81	17.80	17.50	15.63
12	17.82	18.58	18.01		18.09	17.72	17.57	17.33	17.84	17.80	16.69	15.29
13	17.46	18.47	17.94		17.87	17.64	17.70	17.30	17.62	17.80	15.81	15.54
14	16.96	18.38	18.00		17.66	17.75	17.73	17.51	17.75	17.80	14.85	15.86
15	16.42	18.29	18.13		17.55	17.78	17.75	17.69	17.85	17.81	13.96	16.06
16	17.16	18.51	18.25 F	17.89	17.29	17.80	17.74	17.77	17.86	17.81	13.25	16.15
17	17.40	18.63	18.39	17.84	17.60	17.79	17.75	17.79	17.85	17.81	12.64	16.18
18	17.51	18.57	18.45	17.72	17.73	17.77	17.74	17.79	17.76	17.84	12.20	15.63
19	18.82	18.62	18.40	17.53	17.78	17.79	17.72	17.79	17.79	17.62	11.87	14.78
20	18.28	18.60	18.27	17.71	17.77	17.79	17.71	17.80	17.87	17.63	11.84	15.62
21	18.47	18.40	18.12	17.82	17.76	17.77	17.75	17.81	17.87	17.74	11.82	16.28
22	18.51	18.58	17.88	17.83	17.74	17.75	17.75	17.81	17.88	17.93		16.74
23	18.25	18.73	17.95	17.82	17.72	17.75	17.75	17.82	17.87	17.92		17.49
24	18.57	18.71	17.90	17.80	17.71	17.75	17.73	17.83	17.86	17.95		18.46
25	19.40	18.62	17.82	17.77	17.83	17.76	17.72	17.84	17.86	17.95		17.39
26	19.46	18.54	17.70	17.76	17.87	17.79	17.74	17.86	17.86	17.89		17.00
27	19.45	18.47	17.54	17.78	17.86	17.77	17.75	17.85	17.86	17.87		16.73
28	19.36	18.41	17.31	17.80	17.55	17.83	17.72	17.83	17.86	17.86		16.42
29	19.37	-----	17.43	17.79	17.83	17.80	17.67	17.81	17.86	17.85 F	11.33	17.91
30	19.31	-----	18.13	17.78	18.05	17.78	17.65	17.80	17.86	17.85 F	11.81	18.04
31	19.18	-----	18.36	-----	18.09	-----	17.64	17.81	-----	17.84	-----	18.00

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	18.27	18.59	18.17	17.84	17.76	17.84	17.71	17.67	17.83	17.67	15.40	16.37
MAX	19.46	18.83	18.80	18.36	18.45	18.35	17.75	17.86	17.88	17.95	17.92	18.46
MIN	16.42	18.29	17.31	17.53	16.95	17.64	17.57	17.30	17.62	16.45	11.33	12.30
DAYS	31	28	31	17	31	30	31	31	30	31	23	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 345

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 17.62.

HIGHEST STAGE WAS 19.60 AT 12:30 P.M ON JAN 31.

LOWEST STAGE WAS NOT DETERMINED.

## DAILY STAGE FOR 1990

WABPL BORROW PIT NEAR COURTABLEAU, LA.

LOCATION. LAT. 30-31-01, LONG. 91-51-35. ABOUT 500 FEET BELOW JUNCTION WITH BAYOU COURTABLEAU DIVERSION CHANNEL, 1.2 MILES SOUTH OF COURTABLEAU CONTROL STRUCTURE. (STA. 5855012E.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO JUNE 24, 1954, GAGE WAS KNOWN AS, WEST CONNECTING DITCH, STATION 70+00.

RECORDS AVAILABLE. INTERMITTENTLY, 1940 TO 1950, 1953, AND 1955 TO 1956. DAILY, JUNE 24, 1954, TO FEB. 5, 1955, AND AUG. 28, 1956 TO DATE.

EXTREMES. HIGHEST, (FROM INCOMPLETE RECORD) 23.6 FEET ON MAY 25, 1953. LOWEST, CHANNEL DRY ON JUNE 24, 1954, AND LATER DATES.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3.70	9.45	3.90	3.87	2.19	3.28	1.57	1.36	1.27	1.32	1.51	1.26
2	2.02	8.20	7.20	3.52	2.10	4.10	1.41	1.41	1.36	1.49	1.80	1.53
3	1.55	7.38	7.13	3.24	2.33	3.77	1.33	1.38	1.52	1.90	1.98	2.70
4	2.10	8.48	6.35	2.30	2.49	3.20	1.20	1.34	1.61	2.11	2.13	2.29
5	8.05	7.25	5.60	2.09	2.21	2.70	1.25	1.22	1.64	1.86	1.99	1.77
6	7.18	6.58	4.84	2.03	1.85	2.22	1.36	1.17	1.58	1.81	1.72	1.74
7	6.85	6.00	4.20	1.57	1.43	2.02	1.38	1.10	1.79	1.90	1.78	2.19
8	6.91	5.51	3.73	1.32	1.68	2.09	1.29	1.14	1.87	1.99	1.60	1.84
9	5.30	7.00	3.32	1.67	2.81	2.03	1.18	1.10	1.78	1.97	1.90	1.35
10	3.59	8.49	3.00	1.86	5.58	1.90	1.33	0.99	1.75	1.39	1.88	1.16
11	2.38	7.93	2.60	1.82	1.97	1.92	1.49	1.13	1.77	0.95	1.15	0.93
12	1.45	6.50	2.52	2.00	3.02	1.76	1.55	1.34	1.88	0.75	1.24	1.10
13	0.85	5.54	2.53	2.63	2.72	1.75	1.54	1.43	1.81	0.76	0.99	1.43
14	0.91	4.78	2.52	2.59	2.56	1.83	1.23	1.52	1.90	0.90	1.05	1.38
15	0.93	4.31	3.09	2.28	2.45	1.75	1.03	1.59	1.90	1.20	1.22	1.39
16	0.90	5.70	3.24	1.79	2.48	1.87	1.13	1.61	1.77	1.30	1.45	1.39
17	1.03	5.97	3.83	1.70	2.33	1.84	1.32	1.75	1.69	1.58	1.49	1.60
18	1.23	5.49	3.70	1.40	2.03	1.70	1.40	1.85	1.64	1.57	1.42	1.80
19	5.25	6.98	3.39	1.37	2.00	1.49	1.45	1.97	1.68	1.08	1.65	1.50
20	3.61	6.20	2.70	1.64	2.27	1.30	1.54	1.94	1.82	1.19	1.77	1.62
21	4.65	5.16	2.00	1.73	2.20	1.43	1.65	1.80	1.88	1.62	1.80	1.97
22	4.39	6.42	1.78	1.76	1.94	1.69	1.80	1.69	1.98	1.92	1.90	2.27
23	3.15	6.92	1.81	1.62	1.54	1.85	1.84	1.67	1.62	1.65	1.97	1.83
24	5.20	6.73	1.74	1.73	1.57	1.80	1.83	1.60	1.10	1.70	1.78	3.60
25	12.45	6.06	1.58	1.92	1.81	1.82	1.61	1.30	1.08	1.47	1.83	0.81
26	13.13	5.42	1.29	2.09	1.94	1.75	1.30	1.10	1.25	0.98	1.94	0.94
27	13.10	4.95	1.00	2.28	2.10	1.63	1.20	1.03	1.30	0.99	2.18	1.27
28	12.52	4.45	1.20	2.12	2.10	1.57	1.32	1.14	1.30	1.05	2.41	1.50
29	12.72	-----	1.55	2.05	2.20	1.69	1.50	1.35	1.32	1.05	1.65	1.79
30	12.35	-----	3.20	2.21	2.66	1.65	1.33	1.34	1.32	1.32	1.18	2.21
31	11.35	-----	3.85	-----	2.93	-----	1.27	1.25	-----	1.38	-----	1.60

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	5.51	6.42	3.24	2.07	2.31	2.05	1.41	1.41	1.61	1.42	1.68	1.67
MAX	13.13	9.45	7.20	3.87	5.58	4.10	1.84	1.97	1.98	2.11	2.41	3.60
MIN	0.85	4.31	1.00	1.32	1.43	1.30	1.03	0.99	1.08	0.75	0.99	0.81
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 2.54.  
 HIGHEST STAGE WAS 13.20 AT 3:00 P.M. ON JAN 26.  
 LOWEST STAGE WAS 0.70 ON OCT 11.

## DAILY STAGE FOR 1990

WABPL BORROW PIT (LS) AT NEW HENDERSON LANDING, LA.

LOCATION. LAT. 30-18-47, LONG. 91-47-20. ON WABPL BRIDGE. (STA. 5860012D.)

GAGE. AUTOMATIC RECORDER AND WIRE-WEIGHT.

GENERAL INFORMATION. FROM 1932, GAGE WAS KNOWN AS HENDERSON LS

RECORDS AVAILABLE. JAN. 13, 1932 TO DATE.

EXTREMES. HIGHEST, 18.4 FEET ON MAR. 11, 1932. LOWEST, MINUS 0.95 FOOT ON JAN. 13, 1956.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3.24	7.35	3.84	2.95	2.13	2.59	1.59	1.35	1.20	1.39	1.51	1.28
2	1.97	6.43	5.24	2.84	2.10	3.02	1.47	1.39	1.31	1.54	1.80	1.55
3	1.58	5.67	4.93	2.71	2.42	3.00	1.35	1.34	1.44	1.90	1.93	2.73
4	1.65	6.41	4.36	2.02	2.54	2.73	1.20	1.32	1.57	2.12	2.13	2.30
5	5.00	5.56	3.79	1.95	2.15	2.37	1.24	1.20	1.56	1.85	1.99	1.77
6	5.42	4.87	3.37	1.97	1.76	2.11	1.34	1.16	1.53	1.81	1.72	1.72
7	5.06	4.51	3.08	1.52	1.42	1.99	1.36	1.09	1.74	1.88	1.80	2.22
8	5.12	4.08	2.87	1.30	1.73	2.02	1.30	1.13	1.81	1.95	1.59	1.84
9	3.86	5.39	2.69	1.58	2.54	2.00	1.15	1.09	1.73	1.97	1.91	1.37
10	2.78	6.26	2.55	1.72	3.56	1.94	1.27	0.95	1.69	1.40	1.79	1.15
11	1.97	6.00	2.36	1.70	2.02	1.89	1.43	1.13	1.72	0.87	1.19	0.94
12	1.40	4.95	2.37	1.49	2.54	1.74	1.48	1.34	1.82	0.70	1.27	1.12
13	0.86	4.25	2.39	1.84	2.67	1.73	1.47	1.44	1.83	0.70	1.04	1.43
14	0.90	3.66	2.40	2.05	2.53	1.80	1.15	1.50	1.87	0.87	1.13	1.37
15	0.92	3.47	2.81	1.97	2.40	1.72	0.93	1.57	1.84	1.21	1.29	1.41
16	0.87	4.28	2.80	1.61	2.42	1.84	1.06	1.60	1.67	1.33	1.50	1.40
17	1.09	4.23	3.02	1.60	2.33	1.82	1.32	1.70	1.59	1.56	1.54	1.55
18	1.29	3.86	2.80	1.39	1.99	1.69	1.37	1.84	1.60	1.55	1.47	1.85
19	2.78	5.52	2.60	1.36	1.94	1.47	1.41	1.92	1.62	1.10	1.67	1.52
20	2.68	4.70	2.08	1.65	2.20	1.32	1.50	1.87	1.73	1.22	1.77	1.60
21	3.12	3.88	1.65	1.80	2.17	1.43	1.58	1.76	1.79	1.63	1.81	1.90
22	2.86	4.83	1.72	1.82	1.95	1.63	1.74	1.64	1.89	1.84	1.92	2.35
23	2.22	4.83	1.66	1.65	1.54	1.84	1.79	1.63	1.55	1.52	1.99	1.89
24	3.10	4.65	1.69	1.73	1.55	1.78	1.60	1.54	1.01	1.53	1.76	1.92
25	8.10	4.25	1.64	1.90	1.76	1.80	1.57	1.27	1.04	1.30	1.83	0.85
26	8.56	3.77	1.36	2.03	1.91	1.73	1.28	1.03	1.24 F	0.97	1.90	0.95
27	3.64	3.46	1.04	2.21	2.07	1.62	1.17	0.94	1.32	1.32	2.17	1.25
28	8.47	3.15	1.22	2.11	2.11	1.52	1.31	1.12	1.34 F	1.20	2.42	1.47
29	8.70	-----	1.54	2.03	2.16	1.63	1.47	1.34	1.33	1.03	1.67	1.65
30	8.64	-----	2.87	2.17	2.32	1.66	1.35	1.30	1.34	1.32	1.20	1.95
31	8.20	-----	2.93	-----	2.54	-----	1.27	1.18	-----	1.37	-----	1.44

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	3.90	4.80	2.63	1.89	2.18	1.91	1.38	1.38	1.56	1.42	1.69	1.60
MAX	8.70	7.35	5.24	2.95	3.56	3.02	1.80	1.92	1.89	2.12	2.42	2.73
MIN	0.86	3.15	1.04	1.30	1.42	1.32	0.93	0.94	1.01	0.70	1.04	0.85
DAYS	31	28	31	30	31	30	31	31	30	30	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 364

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 2.18.

HIGHEST STAGE WAS 8.76 AT 11:40 A.M. ON JAN 29.

LOWEST STAGE WAS 0.67 ON JAN 13.

DAILY STAGE FOR 1990  
CATAHOULA LAKE AT CATAHOULA, LA.

LOCATION. LAT. 30-12-40, LONG. 91-42-08. ON HIGHWAY 96 BRIDGE. (STA. 5865012D.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1932 TO 1939. DAILY, 1940 TO DATE.

EXTREMES. HIGHEST (FROM INCOMPLETE RECORD) 15.8 FEET ON MAR. 11, 1932. LOWEST, MINUS 1.01 FEET ON JAN. 13, 1956.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.76	5.79	2.44	2.59	2.07	2.40	1.54	1.36	1.15	1.37	1.46	1.30
2	1.87	5.16	4.00	2.52	2.04	2.74	1.42	1.40	1.27	1.52	1.72	1.49
3	1.48	4.62	3.74	2.36	2.37	2.74	1.27	1.33	1.40	1.85	1.90	2.75
4	1.52	4.92	3.37	1.85	2.39	2.52	1.13	1.28	1.53	2.10	2.06	2.12
5	3.68	4.38	3.06	1.87	2.15	2.25	1.17	1.18	1.52	1.83	1.92	1.71
6	3.91	3.96	2.81	1.91	1.73	2.10	1.27	1.14	1.49	1.77	1.66	1.70
7	3.90	3.68	2.68	1.46	1.39	1.96	1.30	1.09	1.67	1.84	1.71	2.22
8	3.76	3.44	2.62	1.26	1.66	1.95	1.24	1.11	1.73	1.89	1.51	1.59
9	2.98	4.38	2.46	1.51	2.36	1.94	1.09	1.07	1.66	1.91	1.83	1.24
10	2.27	4.86	2.37	1.64	2.83	1.89	1.23	0.94	1.63	1.38	1.67	1.04
11	1.70	4.66	2.29	1.61	1.96	1.83	1.36	1.11	1.67	0.81	1.12	0.86
12	1.23	4.00	2.32	1.33	2.35	1.69	1.43	1.32	1.78	0.73	1.23	1.12
13	0.75	3.56	2.25	1.57	2.58	1.67	1.39	1.39	1.81	0.67	0.97	1.34
14	0.80	3.19	2.37	1.85	2.48	1.74	1.07	1.48	1.83	1.01	1.07	1.27
15	0.84	3.19	2.59	1.82	2.37	1.66	0.87	1.57	1.77	1.23	1.23	1.30
16	0.75	3.60	2.57	1.53	2.38	1.80	1.06	1.60	1.62	1.32	1.44	1.33
17	0.97	3.37	2.62	1.55	2.26	1.78	1.34	1.69	1.54	1.55	1.47	1.52
18	1.15	3.16	2.41	1.35	1.93	1.67	1.37	1.81	1.56	1.30	1.43	1.65
19	1.98	4.40	2.27	1.32	1.92	1.39	1.43	1.87	1.58	0.93	1.64	1.46
20	2.17	3.79	1.80	1.60	2.17	1.30	1.49	1.82	1.67	1.35	1.74	1.54
21	2.34	3.30	1.47	1.76	2.17	1.40	1.57	1.71	1.74	1.67	1.77	1.83
22	2.12	3.94	1.64	1.79	1.93	1.57	1.68	1.58	1.82	1.68	1.89	2.18
23	1.75	3.85	1.53	1.64	1.50	1.80	1.74	1.57	1.49	1.49	1.93	1.83
24	2.28	3.72	1.62	1.74	1.52	1.72	1.74	1.47	0.95	1.46	1.75	1.43
25	5.60	3.41	1.61	1.86	1.72	1.73	1.51	1.18	0.96	0.97	1.80	0.77
26	5.79	3.12	1.30	2.00	1.83	1.64	1.22	0.96	1.16	0.77	1.86	0.89
27	5.97	2.87	0.96	2.17	2.00	1.53	1.13	0.90	1.24	1.00	2.16	1.20
28	6.02	2.64	1.17	2.00	2.06	1.40	1.27	1.08	1.27	1.03	2.25	1.42
29	6.30	-----	1.46	1.99	2.07	1.54	1.46	1.32	1.28	1.02	1.56	1.58
30	6.33	-----	2.63	2.13	2.17	1.62	1.34	1.28	1.30	1.26	1.09	1.86
31	6.16	-----	2.59	-----	2.40	-----	1.27	1.13	-----	1.32	-----	1.35

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.94	3.89	2.29	1.79	2.09	1.83	1.34	1.35	1.50	1.36	1.63	1.51
MAX	6.33	5.79	4.00	2.59	2.83	2.74	1.74	1.87	1.83	2.10	2.25	2.75
MIN	0.75	2.64	0.96	1.26	1.39	1.30	0.87	0.90	0.95	0.67	0.97	0.77
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
THE MEAN STAGE FOR THE YEAR WAS 1.95.  
HIGHEST STAGE WAS 6.36 AT 3:00 P.M. ON JAN 29.  
LOWEST STAGE WAS 0.58 ON JAN 13.

## DAILY STAGE FOR 1990

WABPL BORROW PIT (LS) AT LOWER GRAND BAYOU (LA.)

LOCATION. LAT. 30-04-26, LONG. 91-37-23. ON PILING AT LEVEE STATION 3907+00 IN LAKE DAUTERIVE,  
JUST WEST OF GRAND BAYOU. (STA. 5870012D.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1936 TO 1943. DAILY, JAN. 2, 1944 TO DATE.

EXTREMES. HIGHEST, 8.6 FEET FROM JUNE 6 TO 8, 1953. LOWEST, MINUS 0.30 FOOT ON NOV. 3, 1966.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.27	3.40	2.15	2.34	2.15	2.50	1.67	1.47	1.23	1.49	1.56	1.32
2	1.87	3.40	2.45	2.30	2.14	2.70	1.56	1.51	1.36	1.62	1.81	1.57
3	1.50	3.42	2.41	2.12	2.43	2.50	1.37	1.43	1.44	1.89	1.98	2.29
4	1.37	3.30	2.34	1.85	2.56	2.40	1.24	1.37	1.58	2.16	2.13	2.27
5	1.62	3.14	2.33	1.93	2.27	2.30	1.27	1.28	1.52	1.90	2.09	1.80
6	1.90	3.02	2.30	2.04	1.84	2.30	1.40	1.23	1.50	1.82	1.77	1.72
7	1.94	2.92	2.34	1.52	1.55	2.20	1.41	1.17	1.74	1.86	1.79	1.81
8	2.12	2.84	2.42	1.40	1.82	2.10	1.35	1.18	1.80	1.92	1.58	1.70
9	2.12	3.20	2.30	1.62	2.39	2.10	1.17	1.14	1.70	1.95	1.87	1.37
10	1.88	3.22	2.25	1.72	2.35	2.00	1.35	1.02	1.67	1.52	1.72	1.15
11	1.62	3.23	2.25	1.65	2.05	1.90	1.48	1.18	1.75	0.90	1.20	0.96
12	1.25	3.10	2.28	1.29	2.33	1.80	1.53	1.38	1.87	0.77	1.31	1.17
13	0.83	2.95	2.18	1.55	2.60	1.73	1.51	1.48	1.89	0.74	1.07	1.42
14	0.86	2.79	2.27	1.85	2.57	1.82	1.18	1.65	1.92	0.92	1.14	1.36
15	0.87	2.79	2.44	1.83	2.45	1.74	0.96	1.73	1.85	1.26	1.29	1.39
16	0.80	2.85	2.39	1.60	2.44	1.87	1.14	1.76	1.70	1.38	1.47	1.40
17	1.02	2.66	2.37	1.63	2.35	1.86	1.41	1.85	1.63	1.56	1.51	1.52
18	1.17	2.54	2.20	1.46	2.01	1.76	1.48	1.96	1.64	1.58	1.46	1.76
19	1.40	2.82	2.09	1.40	2.00	1.52	1.54	2.01	1.65	1.10	1.66	1.57
20	1.85	2.79	1.68	1.73	2.26	1.40	1.62	1.94	1.72	1.27	1.75	1.65
21	1.65	2.73	1.44	1.88	2.29	1.50	1.67	1.85	1.77	1.62	1.78	1.90
22	1.54	3.08	1.70	1.92	2.05	1.66	1.79	1.74	1.84	1.85	1.88	2.15
23	1.50	3.02	1.56	1.82	1.61	1.85	1.84	1.69	1.54	1.53	1.97	1.97
24	1.68	2.86	1.67	1.89	1.66	1.77	1.82	1.59	0.99	1.54	1.79	1.25
25	2.44	2.64	1.72	2.00	1.83	1.83	1.57	1.22	1.02	1.21	1.83	0.88
26	2.65	2.52	1.41	2.13	2.10	1.73	1.32	1.10	1.24	0.83	1.87	1.00
27	2.84	2.38	1.05	2.30	2.20	1.61	1.23	1.06	1.34	0.97	2.15	1.30
28	2.94	2.24	1.30	2.11	2.20	1.49	1.37	1.27	1.37	1.08	2.35	1.44
29	3.10	-----	1.57	2.06	2.30	1.63	1.57	1.49	1.38	1.08	1.77	1.60
30	3.26	-----	2.32	2.21	2.30	1.74	1.45	1.46	1.40	1.37	1.21	1.85
31	3.33	-----	2.37	-----	2.50	-----	1.38	1.30	-----	1.43	-----	1.41

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.84	2.92	2.05	1.84	2.18	1.91	1.44	1.47	1.57	1.42	1.69	1.55
MAX	3.33	3.42	2.45	2.34	2.60	2.70	1.84	2.01	1.92	2.16	2.35	2.29
MIN	0.80	2.24	1.05	1.29	1.55	1.40	0.96	1.02	0.99	0.74	1.07	0.88
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.82.

HIGHEST STAGE WAS 3.54 AT 11:00 P.M. ON FEB 1.

LOWEST STAGE WAS 0.66 ON JAN 13.



## DAILY STAGE FOR 1990

BAYOU BOEUF NEAR WOODWORTH, LA.

LOCATION. LAT. 31-12-08, LONG. 92-30-38. ON U. S. HIGHWAY 165 BRIDGE, 3.8 MILES NORTH OF WOODWORTH, LA.  
(STA. 6125015.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. DAILY, MAY 4, 1939 TO JUNE 30, 1942, AND SEP. 27, 1962 TO DATE.  
INTERMITTENTLY, 1942 TO 1957.

EXTREMES. HIGHEST, 72.4 FEET (FROM WATERMARK) IN MAY 1953. LOWEST, 59.59 FEET ON JUNE 17, 1970.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	62.93				62.86	65.69	62.84	62.23	61.59	61.93	62.14	62.87
2	62.90	66.88	63.76	64.11	62.75	65.90	62.73		61.50	61.85	62.07	62.80
3	62.88	66.12	64.75	63.76	62.72	65.42	62.59		61.56	61.76	62.02	63.14
4	63.79	65.76	64.20	63.49	62.81	64.60	62.86		61.53	61.75	62.03	63.24
5	64.04	65.75	63.61	63.30	62.97	63.97	62.90		61.47	61.88	62.37	62.96
6	65.12	65.15	63.32	63.16	62.86	63.53	62.85		61.48	61.90	62.51	62.83
7	65.45	64.49	63.16	63.23	62.73	63.15	62.75		61.44	61.87	62.51	63.64
8	65.75	64.29	63.09	63.17	62.65	62.91	62.64		61.39	61.85	62.47	64.08
9	65.09	64.51	63.04	63.07	63.03	62.73	62.54		61.35	61.82	62.84	63.32
10	64.18	65.33	62.99	63.01	63.81	62.63	62.46		61.45	61.77	63.28	63.02
11	63.63	65.68	62.95	64.90	63.37	62.59	62.44		61.52	61.71	62.98	62.89
12	63.36	65.24	62.93	65.89	63.13	62.58	62.48		61.70	61.66	62.81	62.82
13	63.15	64.65	63.04	65.14	63.10	62.53	62.69		61.78	61.62	62.67	62.80
14	63.03	64.24	63.28	64.22	63.08	62.44	62.72		61.82	61.59	62.62	62.76
15	62.99	63.95	64.17	64.12	63.03	62.26	62.59		61.89	61.56	62.58	62.73
16	62.96	64.00	67.05		63.00	62.45	62.50		61.88	61.54	62.54	62.71
17	62.97	63.91	67.37	63.75	62.92	62.63	62.41		61.84	61.52	62.52	62.76
18	64.38	63.65	67.02	63.45	63.15	62.69	62.36		61.87	61.51	62.49	62.97
19	67.60	63.77	66.36	63.23	63.04	62.60	62.22		62.10	61.48	62.49	63.04
20	67.97	63.94	65.40	63.12	62.93	62.63	62.18		62.46	61.44	62.47	62.92
21	68.09	63.70	64.49	63.08	63.07	62.65	62.15		62.56	61.45	62.48	63.95
22	67.79	64.71	64.00	63.03	62.93	62.62	62.13		62.57	64.01	62.48	66.42
23	67.33	66.29	63.68	62.97	62.81	62.69	62.10	62.04	62.84	63.86	62.69	67.32
24	66.81	65.98	63.40	62.91	62.66	62.69	63.10	62.12	62.71	63.13	62.79	67.17
25	68.80	64.93	63.18	62.86	62.54	62.70	63.02	62.15	62.57	62.85	62.75	66.59
26	68.93	63.85	63.02	62.81	62.44	62.71	62.76	62.15	62.44	62.69	62.73	65.67
27	68.72	63.41	62.94		62.37	62.96	62.59	62.16	62.33	62.59	62.76	64.46
28	68.41	63.22	62.91	63.09	65.02	63.03	62.42	62.08	62.23	62.49	63.19	64.02
29	68.25	-----	63.07	63.11	66.06	62.83	67.38	61.93	62.11	62.40	63.59	63.64
30	68.10	-----	64.41	62.99	66.03	62.62	62.37	61.79	62.02	62.31	63.07	63.44
31	67.73	-----		-----	65.36	-----	62.26	61.69	-----	62.21	-----	63.31

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	65.58	64.72	64.02	63.52	63.27	63.11	62.55	62.03	61.93	62.06	62.63	63.75
MAX	68.93	66.88	67.37	65.89	66.06	65.90	63.10	62.23	62.84	64.01	63.59	67.32
MIN	62.88	63.22	62.91	62.81	62.37	62.26	62.10	61.69	61.35	61.44	62.02	62.71
DAYS	31	27	29	27	31	30	31	10	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 338  
 THE MEAN STAGE FOR THE YEAR WAS 63.32.  
 HIGHEST STAGE WAS 69.00 AT 10:00 P.M ON JAN 25.  
 LOWEST STAGE WAS 61.30 ON SEP 9.

## DAILY STAGE FOR 1990

## BAYOU BOEUF NEAR LAMOURIE, LA.

LOCATION. LAT. 31-09-10, LONG. 92-25-51. DOWNSTREAM OF ROBERTSON ROAD BRIDGE, 0.7 MILE ABOVE JUNCTION WITH BAYOU LAMOURIE AND TWO MILES NORTHWEST OF LAMOURIE, LA. (STA. 6128015.)

GAGE. STAFF TYPE.

GENERAL INFORMATION. FROM 1937 TO 1938 GAGE WAS KNOWN AS BAYOU BOEUF AT HIGHWAY BRIDGE 1/2 MILE ABOVE BAYOU LAMOURIE, AND IN 1939 AS BAYOU BOEUF, 3/4 MILE ABOVE BAYOU LAMOURIE.

RECORDS AVAILABLE. OCT 12, 1937 TO DATE.

EXTREMES. HIGHEST, 72.4 FEET ON MAY 18 AND 19, 1953. LOWEST, 59.2 FEET FROM SEPT. 5 TO 11, 1939.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	"GV	DEC
1	62.71	65.82	62.86	63.82	62.69	64.52	62.72	62.08	61.55	61.83		62.71
2	62.69	65.23	63.61	63.51	62.63	64.51	62.64	62.27	61.46	61.74		62.60
3	62.70	64.60	63.60	63.32	62.58	64.35	62.55	62.58	61.42	61.66		62.97
4	63.12	64.58	63.26	63.13	62.78	64.18	62.60	62.59	61.40	61.58		62.90
5	63.32	64.08	63.10	62.98	62.70	63.62	62.68	62.53	61.38	61.68		62.77
6	64.05	63.81	62.88	62.95	62.63	63.29	62.64	62.45	61.36	61.70		62.65
7	64.34	63.65	62.83	62.90	62.55	62.92	62.57	62.40	61.31	61.71		62.98
8	64.33	63.70	62.78	62.87	62.51	62.72	62.50	62.36	61.27	61.70		63.23
9	63.98	64.20	62.75	62.81	63.10	62.64	62.41	62.30	61.25	61.67		62.99
10	63.58	64.55	62.72	62.76	63.18	62.54	62.37	62.26	61.28	61.63		62.84
11	63.21	64.48	62.70	64.63	62.93	62.45	62.32	62.22	61.31	61.60		62.68
12	63.03	64.18	62.68	64.49	62.82	62.40	62.26	62.20	61.46	61.58		62.62
13	62.87	63.83	62.98	63.87	62.85	62.38	62.48	62.12	61.58	61.55		62.55
14	62.79	63.62	63.01	63.48	62.81	62.36	62.53	62.04	61.63			62.52
15	62.70	63.40	65.23	63.66	62.76	62.41	62.50	61.96	61.68			62.53
16	62.65	63.48	65.80	63.42	62.74	62.47	62.40	61.89	61.70			62.57
17	62.71	63.34	65.61	63.18	62.78	62.54	62.30	61.82	61.71			62.59
18	63.80	63.20	65.24	62.98	62.76	62.60	62.23	61.75	61.73			62.69
19	66.30	63.42	64.78	62.86	62.74	62.60	62.16	61.68	61.80			62.74
20	66.65	63.40	64.19	62.82	62.72	62.55	62.10	61.59	61.95			62.75
21	66.61	63.26	63.71	62.78	62.74	62.49	62.06	61.66	62.21			63.08
22	66.20	64.83	63.45	62.75	62.70	62.46	62.04	61.74	62.30			64.81
23	65.73	64.59	63.21	62.72	62.67	62.50	62.00	61.83	62.46			65.11
24	65.53	64.10	63.02	62.70	62.64	62.58	62.48	61.95	62.49			65.02
25	67.82	63.59	62.86	62.67	62.61	62.60	62.70	62.03	62.43			64.65
26	67.74	63.09	62.80	62.64	62.59	62.61	62.58	62.10	62.37			64.10
27	67.55	62.96	62.76	62.67	62.57	62.68	62.49	62.07	62.22			63.69
28	67.21	62.90	62.74	62.80	63.57	62.78	62.40	61.95	62.11			63.35
29	67.10	-----	63.18	62.79	64.48	62.74	62.30	61.84	62.03			63.15
30	66.81	-----	63.98	62.74	64.59	62.69	62.21	61.73	61.93			63.02
31	66.43	-----	64.10	-----	64.20	-----	62.10	61.64	-----	-----	-----	62.92

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	64.72	63.92	63.50	63.12	62.92	62.87	62.40	62.05	61.76	61.66		63.15
MAX	67.82	65.82	65.80	64.63	64.59	64.52	62.72	62.59	62.49	61.83		65.11
MIN	62.65	62.90	62.68	62.64	62.51	62.36	62.00	61.59	61.25	61.55		62.52
DAYS	31	28	31	30	31	30	31	31	30	13	0	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 317

THE MEAN STAGE FOR THE YEAR WAS 62.98.

HIGHEST STAGE WAS 67.82 ON JAN 25.

LOWEST STAGE WAS 61.25 ON SEP 9.

## DAILY STAGE FOR 1990

BAYOU BOEUF NEAR LECOMPTÉ, LA.

LOCATION. LAT. 31-06-48, LONG. 92-25-52. ABOUT 3.8 MILES ABOVE HIGHWAY 112, 3.2 MILES NORTHWEST OF LECOMPTÉ, LA. (STA. 6140015.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. JUNE 28, 1948 TO DATE.

EXTREMES. HIGHEST, 71.8 FEET ON MAY 18 AND 19, 1953. LOWEST, BELOW 59 FEET, ON AUG. 16 AND 17, 1951.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	62.70	65.00	63.00	63.70	62.70	64.10	62.80	62.10	61.60			
2	62.70	64.50	63.40	63.40	62.60	64.10	62.70	62.20	61.50			
3	62.70	64.10	63.50	63.30	62.60	64.00	62.60	62.50	61.50			
4	63.10	64.10	63.20	63.10	62.80	63.80	62.60	62.50	61.50			
5	63.20	63.80	63.00	63.00	62.80	63.50	62.70	62.50	61.50			
6	63.70	63.60	62.90	63.00	62.70	63.20	62.70	62.50	61.50			
7	63.80	63.50	62.80	63.00	62.60	63.00	62.70	62.50	61.40			
8	64.00	63.50	62.80	62.90	62.60	62.80	62.60	62.50	61.40			
9	63.70	63.80	62.80	62.80	63.00	62.60	62.50	62.40	61.30			
10	63.40	64.00	62.80	62.80	63.20	62.50	62.40	62.30	61.30			
11	63.10	64.00	62.50	64.20	63.00	62.50	62.40	62.30	61.40			
12	63.00	63.80	62.70	64.00	62.90	62.50	62.40	62.30	61.50			
13	62.90	63.60	63.00	63.70	62.90	62.40	62.50	62.20	61.70			
14	62.80	63.45	63.00	63.40	62.90	62.40	62.60	62.20	61.70			
15	62.80	63.30	64.40	63.50	62.90	62.30	62.50	62.10	61.80			
16	62.80	63.40	65.00	63.30	62.80	62.20	62.50	62.00	61.80			
17	62.80	63.30	64.80	63.20	62.90	62.50	62.40	61.90	61.80			
18	63.40	63.20	64.50	62.10	62.90	62.60	62.30	61.80	61.75			
19	65.60	63.30	64.20	62.90	62.90	62.60	62.20	61.70	61.80			
20	65.70	63.30	63.90	62.90	62.80	62.60	62.10	61.70	62.00			
21	65.80	63.20	63.50	62.80	62.80	62.70	62.10	61.80	62.20			
22	65.40	64.30	63.40	62.80	62.80	62.70	62.10	61.90	62.30			
23	64.90	64.10	63.20	62.80	62.70	62.70	62.00	62.00	62.50			
24	64.50	63.80	63.00	62.70	62.60	62.70	62.50	62.00	62.50			
25	67.10	63.50	62.90	62.70	62.50	62.70	62.70	62.10	62.40			
26	67.00	63.10	62.80	62.70	62.40	62.70	62.60	62.10	62.40			
27	66.80	63.00	62.80	62.60	62.30	62.70	62.50	62.10	62.30			
28	66.30	62.80	62.80	62.90	63.00	62.80	62.40	62.00	62.20			
29	65.30	-----	63.10	62.90	64.10	62.70	62.30	61.90	62.10			
30	65.90	-----	63.70	62.80	64.10	62.60	62.30	61.90	62.00			
31	65.60	-----	63.80	-----	63.80	-----	62.20	61.70	-----	-----		

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	64.31	63.66	63.34	63.06	62.89	62.84	62.45	62.12	61.82			
MAX	67.10	65.00	65.00	64.20	64.10	64.10	62.80	62.50	62.50			
MIN	62.70	62.80	62.70	62.10	62.30	62.20	62.00	61.70	61.30			
DAYS	31	28	31	30	31	30	31	31	30	0	0	0

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 273

THE MEAN STAGE FOR THE YEAR WAS 62.94.

HIGHEST STAGE WAS 67.10 ON JAN 25.

LOWEST STAGE WAS 61.30 ON SEP 9 AND LATER DATE(S).

## DAILY STAGE FOR 1990

BAYOUS RAPIDES, BOEUF AND COCODRIE DIVERSION CHANNEL NEAR LONEPINE, LA.

LOCATION. LAT. 30-59-07, LONG. 92-18-32. ON HIGHWAY 181 BRIDGE, 2.4 MILES NORTH OF LONEPINE, LA.  
(STA. 6152016.)

GAGE. AUTOMATIC RECORDER AND WIRE-WEIGHT.

RECORDS AVAILABLE. INTERMITTENTLY, 1949, AND 1953 TO 1956. DAILY, OCT. 25, 1956 TO DATE.

EXTREMES. HIGHEST, 60.90 FEET IN 1953. LOWEST, CHANNEL DRY ON JULY 17, 1958, AND LATER DATES.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		51.89	40.63	45.50 F	39.71	48.35	40.69			F 38.97		39.96
2	F 39.97	50.78	45.75	43.90		47.87	40.57					39.78
3	39.90	49.00	45.00	42.65		47.28 F	40.40					44.56
4	46.15	48.75	43.41	41.75	39.75	46.07 F	40.40		F 39.05			40.89
5	43.33	46.10	41.86	41.21	40.13	44.09	40.62				F 39.20	40.26
6	46.70	45.50	41.04	40.85	39.84	42.52	40.55					39.86
7	48.98	44.30	40.65	40.95 F	39.45	41.08	40.40 F	38.25				42.40
8	48.09	44.12	40.40	40.78 F	39.71	40.27						42.33
9	46.35	48.63	40.27	40.65	41.21	39.78 F	39.13			F 38.96		41.39
10	44.25	47.99	40.13	40.47	42.26	39.67			F 38.98			40.31
11	42.50	47.69	40.02	46.75	41.03	39.68						39.94
12	41.42	46.72	39.91	47.40	40.40		F 40.36					39.81
13	40.68	45.32	40.44	45.96	40.57		F 40.40 F	39.05			F 39.42	39.71
14	40.33	44.13	41.12	43.69	40.32							39.68
15	40.05	43.50	45.27	43.46	40.12					F 38.95		
16	40.00	49.94	50.42	43.17	40.02		F 39.15					
17	40.09	45.35	50.51	42.13	39.90				F 39.01			F 39.43
18	42.45	42.70	49.80	41.30	40.31 F	39.65						F 39.67
19	52.23	45.10	48.70	40.79	40.26						F 37.98	40.00
20	53.20	43.63	46.88	40.45	40.02			F 39.26				39.95
21	52.93	42.68	44.80	40.32	40.00	40.36 F	40.35 F	40.33				40.92
22	51.95	52.68	43.32	40.21	40.06	40.61 F	40.40			F 39.20		46.55
23	51.15	50.00	42.29	40.09	39.80 F	40.37 F	39.10			41.79		54.00
24	54.50	47.37	41.31	40.00	39.64	40.42 F	40.36			41.28		51.64
25	55.75	44.98	40.75	39.90		40.46	40.61		F 39.17	40.69		49.49
26	55.55	42.60	40.33	39.78		40.45	40.40				F 39.55	47.20
27	55.21	41.38	40.15	39.79		40.61		F 38.93				44.85
28	54.65	40.83	40.02	40.13	40.95	41.05					40.51	44.20
29	54.90	-----	42.99	40.15	46.50	40.75				F 39.01	41.02	42.50
30	54.02	-----	45.88	39.91	47.49	40.37					40.61	41.62
31	52.82	-----	46.70	-----	46.85	-----	F 39.09		-----		-----	41.32

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	47.67	46.20	43.25	41.80	41.01	41.90	40.17	39.16	39.05	39.86	39.76	42.56
MAX	55.75	52.68	50.51	47.40	47.49	48.35	40.69	40.33	39.17	41.79	41.02	54.00
MIN	39.90	40.83	39.91	39.78	39.45	39.65	39.09	38.25	38.98	38.95	37.98	39.43
DAYS	30	28	31	30	26	22	18	5	4	8	7	29

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 238

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 42.91.

HIGHEST STAGE WAS 55.75 AT 4:00 A.M. ON JAN 25.

LOWEST STAGE WAS NOT DETERMINED.

## DAILY STAGE FOR 1990

BAYOUS RAPIDES, BOEUF AND COCODRIE DIVERSION CHANNEL EAST OF LONEPINE, LA

LOCATION. LAT. 30-57-10, LONG. 92-16-50. 1000 FEET SOUTH OF HIGHWAY 115 AND INTERSTATE 10 BRIDGES  
ABOUT TWO MILE EAST OF LONEPINE, LA. (STA. 6153516.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. SEP. 20, 1985 TO DATE.

EXTREMES. HIGHEST, 59.28 FEET ON JUL. 4, 1989. LOWEST, NOT DETERMINED.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		49.47	38.84	43.07	36.70	45.07					35.72	
2		48.55	44.18 F	41.59	36.70					35.74	35.72	
3		46.99	42.95		36.70					35.74	35.72	
4		46.61	41.33 F	42.33	36.70					35.74	35.72	
5		44.87	39.46	41.47	36.71				35.81	35.74		
6		43.33	38.95	40.18	36.71				35.81	35.74		
7		42.04	38.91	39.13	36.70				35.81	35.74	35.84	
8	F 45.46	41.75	38.86	38.91	36.70				35.81	35.73	35.84	
9	44.00	46.66	38.82	38.75	38.29					35.74	35.84	
10	41.82	45.66	38.75	36.92	38.99					35.69	35.84 F	35.71
11	39.86	45.35	38.71	36.72	37.65					35.69	35.84	37.55
12	38.92	44.44	38.66	42.93	36.72					35.69	35.84	37.55
13	38.88	43.01	38.61	44.01	36.96					35.69	35.84	37.55
14	37.40	41.77	38.59	42.72	36.71					35.69	35.84	36.39
15	37.26	40.99	41.79	40.58	36.70					35.69	35.84	36.40
16	37.26	47.43	47.64	40.30	36.70					35.69	35.84	36.40
17	37.25	42.51	47.88	39.98	36.70				35.81	35.69	35.84	36.40
18	37.25	40.41	47.19	38.91	36.70				35.77	35.69	35.84	
19	49.39	43.27	46.12	37.98	36.70				35.77	35.69	35.72	
20	50.12	41.38	44.41	37.23	36.70				35.77	35.69	35.72 F	36.70
21	50.34	40.31	42.45	36.75	36.69				35.77	35.69	35.72	36.69
22	49.43	50.51	40.87	36.73	36.70				35.77	35.69	35.72	36.70
23	48.65	47.94	39.78	36.72	36.70				35.77	35.69	35.72	36.70
24	51.62	45.23	38.96	36.72	36.70					35.69	35.72	36.69
25	52.97	42.85	38.90	36.72	36.70					37.30	35.72	36.69
26	52.76	40.32	38.83	36.71	36.70					37.30		36.70
27	52.29	38.96	38.77	36.72	36.69					37.30		36.70
28	51.75	38.90	38.71	36.72	36.81					37.30		36.69
29	52.09	-----	38.39	36.71	43.09					37.30		36.70
30	51.24	-----	43.43	36.70	44.19					35.72		36.70
31	50.27	-----	44.18	-----	43.70	-----			-----	35.72	-----	36.70

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	45.76	43.98	41.09	39.00	37.54	45.07			35.79	35.97	35.78	36.72
MAX	52.97	50.51	47.88	44.01	44.19	45.07			35.81	37.30	35.84	37.55
MIN	37.25	38.90	38.39	36.70	36.69	45.07			35.77	35.69	35.72	35.71
DAYS	24	28	31	29	31	1	0	0	11	30	23	20

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 228

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 39.36.

HIGHEST STAGE WAS 52.97 ON JAN 25.

LOWEST STAGE WAS 35.69 ON OCT 10 AND LATER DATE(S).

## DAILY STAGE FOR 1990

BAYOUS RAPIDES, BOEUF AND COCODRIE DIVERSION CHANNEL NEAR EOLA, LA.

LOCATION. LAT. 30-53-44, LONG. 92-13-47. ON BRIDGE, 350 FEET BELOW RAILROAD BRIDGE  
(NEAR INTERSTATE 10) AND 1.5 MILES SOUTHWEST OF EOLA, LA. (STA. 6156012A.)

GAGE. AUTOMATIC RECORDER AND WIRE-WEIGHT.

RECORDS AVAILABLE. JULY 24, 1958 TO DATE.

EXTREMES. HIGHEST, (FROM INCOMPLETE RECORD) 47.61 FEET ON JAN. 3, 1983. LOWEST, 27.27 FEET ON  
AUG. 4, 1987 AND LATER DATE(S).

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	30.24	43.33	31.28	36.49	29.40	38.40	29.45			F 27.95		30.27
2	30.00	42.60	37.98	34.99	28.93	38.07	29.95					29.69
3	29.88	40.79	36.42	33.72	28.90	37.62	29.20	F 28.90				32.90
4	36.90	40.23	34.98	32.77	28.90	36.73	29.03	29.10				32.15
5		38.53	33.29	31.97	30.15	35.12	29.62	29.00	F 28.15		F 28.40	31.05
6		37.10	32.17	31.32	29.89	33.50	29.72					30.18
7		35.83	31.35	31.34	29.21	31.98	29.45	F 28.53				32.60
8	F 30.37	35.39	31.13	31.16	28.90	30.70	29.08					33.10
9	37.83	39.75	30.77	30.72	32.70	29.60	F 28.55			F 27.94	F 28.87	F 32.75
10	35.75	39.03	30.60	30.35	33.31	28.97		F 28.00			29.68	30.90
11	33.75	38.63	30.35	36.45	32.10	F 28.68					30.20	30.22
12	32.17	37.83	30.07	37.83	30.88		F 28.91				29.75	29.73
13	31.57	36.49	30.40	36.65	31.20		30.25	F 28.34			29.20	29.41
14	30.90	35.29	31.75	34.74	30.71		F 28.92					29.30
15	30.52	34.73	34.00	34.33	30.25		28.99			F 27.95		29.11
16	30.33	39.60	40.33	34.15	30.00		F 28.48					29.00
17	30.24	36.30	40.79	33.15	29.90			F 28.05				28.95
18	30.50	34.10	40.10	32.28	30.50	29.05						28.92
19	41.56	36.99	39.06	31.50	30.58	29.29			29.33		F 27.99	29.82
20	42.15	35.07	37.55	30.86	30.15	29.05	F 28.58					29.90
21	42.99	33.98	35.67	30.62	29.88	29.10	F 28.90					32.29
22	42.62	42.82	34.19	30.46	30.18	29.53	29.70	29.05		F 29.50		35.60
23	41.84	42.01	33.20	30.28	29.89	29.50	F 28.26			31.05		42.32
24	42.80	39.00	32.28	29.95	29.50	29.50	F 28.90			31.12	F 28.87	42.63
25	44.45	36.62	31.18	29.70	28.88	29.39	29.67	F 28.53		29.95	29.07	40.92
26	44.50	34.25	30.60	29.40	28.84	29.40	29.58			29.18	29.07	38.26
27	44.45	32.60	30.50	29.29	28.76	29.84	28.94	F 28.17			28.95	
28	44.27	31.70	30.17	30.00	29.36	30.52					29.70	
29	44.28	-----	31.10	30.27	36.61	30.28				F 27.98	31.40	
30	44.07	-----	36.60	29.78	37.60	29.50					31.33	
31	43.79	-----	37.39	-----	37.34	-----	F 28.16	-----	-----	-----	-----	32.05

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	37.31	37.52	33.78	32.22	30.75	31.39	29.17	28.71	28.41	29.18	29.46	32.37
MAX	44.50	43.33	40.79	37.83	37.60	38.40	30.25	29.10	29.33	31.12	31.40	42.63
MIN	29.88	31.70	30.07	29.29	28.76	28.68	28.16	28.17	28.00	27.94	27.99	28.92
DAYS	28	28	31	30	31	24	22	8	5	9	14	27

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 257

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 32.60.

HIGHEST STAGE WAS 44.59 AT 10:30 P.M. ON JAN 24.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 27.94 ON OCT 9.

## DAILY STAGE FOR 1990

BAYOUS RAPIDES, BOEUF AND COCODRIE DIVERSION CHANNEL AT MILBURN, LA.

LOCATION. LAT. 30-51-58, LONG. 92-13-52. ON HIGHWAY 106 BRIDGE (NEAR INTERSTATE 49), ONE MILE WEST OF MILBURN, LA. (STA. 6160012A.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1949 TO 1958. DAILY, JULY 23, 1958 TO DATE.

EXTREMES. HIGHEST, 49.30 FEET (FROM WATERMARK) IN MAY 1953. LOWEST, 25.53 FEET ON OCT. 15, 1987 AND LATER DATE(S).

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	28.04	40.09	28.82	32.98	27.36	34.61	27.11	26.49	26.36 F	26.02		27.85
2	27.85	39.42	35.00	31.70		34.32	27.67	26.70	26.38 F	26.11		27.38
3	27.72	38.00	33.67	30.68		33.98	27.16	26.44	26.38	26.54		29.60
4	32.50	37.47	32.29	29.90		33.20	27.07	27.05	26.29	26.20 F	26.08	29.39
5	32.17	36.04	30.72	29.30		31.81	27.40	27.00	26.38	26.13	26.27	28.47
6	35.35	34.86	29.54	28.86		30.40	27.50	26.73	26.60		26.35	27.79
7	36.30	33.75	28.85	28.90 F	27.08	29.19	27.30	26.65	26.69		26.11	29.52
8	36.35	33.20	28.60	28.78	26.68	28.26	27.04	26.51	26.32		26.11	30.07
9	34.69	36.25	28.35	28.45	29.70	27.56	26.76	26.40	26.18 F	25.90	26.40	29.60
10	F 33.52	36.05	28.20	28.20	30.11	27.14	26.48	26.35	26.20		27.39	28.54
11		35.70	27.94	32.62	29.17	26.88	26.34	26.53	26.17		27.79	27.86
12		34.97	27.70	34.11	28.28	26.80	26.60	26.68	26.20		27.43	27.44
13		33.78	27.84	33.20	28.49	26.73	27.95	26.50	26.30		27.03	27.21
14		32.65	29.03	31.55	28.13	26.52	26.71	26.38	26.33		26.66	27.13
15		32.30	30.55	31.10	27.82	26.54	26.93	26.37	26.40 F	25.97	26.40	27.00
16	F 28.04	35.50	36.20	30.99	27.68	26.52	26.69	26.38	26.40		26.29	26.90
17	27.98	33.95	36.68	30.19	27.60	26.53	26.43	26.38	26.27		26.21	26.81
18		31.72	36.22	29.47	28.00	27.04	26.40	26.38	26.30		26.10	26.78
19		34.28	35.42	28.85	28.08	27.24	26.38	26.35	27.08		26.06	27.49
20		32.50	34.03	28.40	27.75	27.08	26.38	26.65	26.50		26.05	27.57
21		31.38	32.38	28.20	27.55	27.10	26.48	26.52	26.77 F	26.13	26.05	29.34
22	F 38.52	39.40	31.13	28.10	27.79	27.40	27.50	26.77	26.50	27.49 F	26.10	32.00
23	37.96	38.80	30.26	27.93	27.60	27.15	26.51	26.49	26.30	28.37	26.10	37.99
24	39.50	36.17	29.47	27.75	27.33	27.37	26.40	26.44	26.38	28.50	26.56	38.30
25	41.45	33.94	28.85	27.55	26.91	27.30	27.38	26.40	26.59	27.65	26.88	36.86
26	41.60	31.83	28.40	27.38	26.56	27.30	27.38	26.36	26.45	27.10	26.90	34.50
27	41.39	30.38	28.17		26.40	27.63	26.94	26.37	26.25	26.65	26.82	32.55
28	41.03	29.40	27.93		27.10	28.10	26.62	26.30	26.13	26.37	27.38	32.20
29	41.00	-----	28.18		32.85	27.91	26.45	26.40	26.15	26.18	28.58	30.40
30	40.76	-----	32.87 F	27.53	33.96	27.38	26.38	26.40	26.12		28.59	29.55
31	40.49	-----	33.68	-----	33.70	-----	26.35	26.37	-----		-----	29.31

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	35.65	34.78	30.87	29.73	28.45	28.43	26.86	26.51	26.38	26.71	26.69	29.79
MAX	41.60	40.09	36.68	34.11	33.96	34.61	27.95	27.05	27.08	28.50	28.59	38.30
MIN	27.72	29.40	27.70	27.38	26.40	26.52	26.34	26.30	26.12	25.90	26.05	26.78
DAYS	22	28	31	27	26	30	31	31	30	16	27	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 330

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 29.17.

HIGHEST STAGE WAS 41.82 AT 10:30 P.M. ON JAN 24.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 25.90 ON OCT 9.

## DAILY STAGE FOR 1990

## BAYOU COCODRIE NEAR CLEARWATER, LA.

LOCATION. LAT. 31-00-00, LONG. 92-22-46. ON U. S. HIGHWAY 167 BRIDGE, 1,000 FEET DOWNSTREAM FROM BAYOU COCODRIE DAM, AND 1.5 MILES EAST OF CLEARWATER, LA. (STA. 6164016.)

GAGE. AUTOMATIC RECORDER AND WIRE-WEIGHT.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U. S. GEOLOGICAL SURVEY. DRAINAGE AREA, 240 SQUARE MILES. SLIGHT REGULATION AT LOW FLOW BY LAKE COCODRIE (USABLE CAPACITY, 9,000 ACRE-Feet). PRIOR TO OCT. 1937, STATION WAS REFERRED TO AS, NEAR MEEKER, LA. ZERO OF GAGE PRIOR TO 1968 WAS 40.00 FEET N.G.V.D. GAGE ZERO OF PUBLISHED REPORTS FOR 1968 THROUGH 1988 SHOULD BE CORRECTED TO 39.57 FEET N.G.V.D.

RECORDS AVAILABLE. STAGE, MAY 1922 TO JAN. 1925, AND OCT. 1937 TO DATE. PUBLISHED BY CORPS OF ENGINEERS SINCE 1946. DISCHARGE, DAILY, COMPUTED AND PUBLISHED BY U.S. GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 27.15 FEET ON MAY 19, 1953. LOWEST, 3.30 FEET ON OCT 9, 1969. EXTREMES HAVE BEEN ADJUSTED TO CURRENT GAGE ZERO.

## DAILY MEAN STAGE IN FEET

## GAGE ZERO, 40.00 FEET, NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	6.55	17.95	15.35	11.66	6.36	7.90	5.04	5.46	5.37	5.31	5.23	5.86
2	6.51	17.74	15.24	11.57	6.31	8.59	5.00	5.47	5.32	5.37	5.23	5.86
3	6.72	17.58	15.14	11.14	6.36	8.62	4.90	5.57	5.35	5.31	5.23	6.23
4	8.14	17.46	15.01	10.64	6.45	8.36	5.11	5.55	5.36	5.29	5.24	6.18
5	9.13	17.31	14.83	10.12	6.26	8.00	5.02	5.52	5.41	5.28	5.28	6.48
6	10.62	17.13	14.62	9.71	6.14	7.54	4.87	5.50	5.40	5.28	5.27	6.62
7	12.10	16.91	14.42	9.33	6.01	7.13	4.81	5.48	5.35	5.27	5.26	6.75
8	12.83	16.70	14.21	8.95	6.23	6.88	4.80	5.51	5.32	5.26	5.26	6.38
9	12.98	16.68	13.99	8.61	7.03	6.65	5.04	5.46	5.31	5.24	5.33	6.67
10	12.86	16.68	13.77	8.35	7.29	6.45	5.52	5.44	5.33	5.22	5.32	6.81
11	12.56	16.60	13.54	8.12	7.42	6.30	5.51	5.45	5.31	5.20	5.31	6.80
12	11.99	16.43	13.31	8.03	7.51	6.31	5.68	5.43	5.26	5.20	5.34	6.74
13	11.29	16.22	13.07	8.14	7.63	6.16	5.75	5.44	5.24	5.20	5.37	6.65
14	10.65	16.00	12.75	8.19	7.40	5.87	5.67	5.39	5.20	5.20	5.35	6.52
15	10.09	15.86	12.73	8.25	7.18	5.72	5.61	5.37	5.24	5.18	5.36	6.42
16	9.60	15.93	13.06	8.15	6.98	5.68	5.60	5.41	5.28	5.16	5.37	6.31
17	9.21	15.92	13.40	8.00	6.87	5.66	5.57	5.45	5.29	5.15	5.37	6.28
18	9.95	15.85	13.41	7.77	6.75	5.44	5.59	5.43	5.35	5.15	5.42	6.31
19	11.59	15.79	13.25	7.60	6.61	5.32	5.55	5.38	5.31	5.14	5.43	6.26
20	13.15	15.71	13.03	7.43	6.54	5.15	5.50	5.42	5.29	5.13	5.43	6.23
21	13.77	15.64	12.73	7.30	6.64	5.10	5.52	5.53		5.16	5.43	6.25
22	14.08	16.05	12.24	7.19	6.38	5.03	5.03	5.56		5.17	5.43	6.66
23	14.06	16.37	11.61	7.04	6.10	4.98	4.98	5.45		5.19	5.41	10.73
24	14.80	16.36	10.98	6.88	5.95	5.03	5.03	5.44		5.22	5.40	12.71
25	17.03	16.18	10.38	6.74	5.94	4.92	4.92	5.43		5.23	5.46	13.11
26	18.12	15.97	9.86	6.62	5.84	4.88	4.88	5.42		5.24	5.57	12.99
27	18.34	15.75	9.42	6.65	5.78	5.04	5.04	5.42		5.24	5.62	12.79
28	18.21	15.53	9.06	6.66	6.36	5.12	5.12	5.37		5.24	5.67	12.54
29	18.23	-----	9.67	6.63	6.42	5.11	5.11	5.35		5.24	5.75	12.06
30	18.25	-----	10.72	6.51	6.41	5.06	5.06	5.40		5.24	5.85	11.53
31	18.14	-----	11.34	-----	6.62	-----	5.04	5.90	-----	5.24	-----	10.95

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	12.63	16.44	12.78	8.27	6.57	6.13	5.22	5.46	5.31	5.22	5.40	8.09
MAX	18.34	17.95	15.35	11.66	7.63	8.62	5.75	5.90	5.41	5.37	5.85	13.11
MIN	6.51	15.53	9.06	6.51	5.78	4.88	4.80	5.35	5.20	5.13	5.23	5.86
DAYS	31	28	31	30	31	30	31	31	20	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 355

THE MEAN STAGE FOR THE YEAR WAS 8.16.

HIGHEST STAGE WAS 18.35 AT 7:00 A.M. ON JAN 27.

LOWEST STAGE WAS 4.76 ON JUL 9.



## DAILY STAGE FOR 1990

BAYOU COCODRIE AT ST. LANDRY, LA.

LOCATION. LAT. 30-50-40, LONG. 92-15-34. ON HIGHWAY 106 BRIDGE, 10.5 MILES NORTH OF VILLE PLATTE, LA. (STA. 6172016.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1946. DAILY, AUG. 9, 1946 TO MAY 22, 1958, AND APR. 25, 1961 TO DATE.

EXTREMES. HIGHEST, 48.85 FEET ON MAY 20, 1953. LOWEST, (FROM INCOMPLETE RECORD) 31.53 FEET ON OCT. 19, 1987.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	34.49	42.58	39.23	37.03	33.76	33.82	32.62	32.84	32.88	33.00	32.95	33.42
2	34.38	42.07	40.23	37.00	33.54	34.19	32.75	32.86	32.82	32.99	32.95	33.41
3	34.28	41.40	40.00	36.81	33.55	34.64	32.64	32.86	32.78	33.00	32.92	33.74
4	36.49	40.95	39.62	36.63	33.56	34.79	32.53	33.17	32.88	32.98	32.92	33.95
5	38.08	40.60	39.26	36.28	33.60	34.98	32.79	33.00	32.98	32.99	33.01	33.75
6	39.16	40.38	38.93	35.95	33.61	34.51	32.60	33.04	32.99	32.78	33.00	33.85
7	39.53	40.17	38.73	35.71	33.20	34.12	32.50	33.00	32.88	32.80	32.99	34.40
8	39.67	40.00	38.56	35.49	33.38	33.82	32.45	33.01	33.09	32.87	32.98	34.44
9	39.15	40.40	38.38	35.30	35.22	33.78	32.50	33.05	33.07	33.06	33.14	34.15
10	38.88	40.45	38.22	35.13	34.97	33.67	32.61	32.94	33.00	33.07	33.16	34.15
11	38.73	40.20	38.05	35.00	34.70	33.56	32.85	32.90	33.04	32.99	33.10	34.15
12	38.13	39.97	37.89	34.89	34.60	33.47	32.85	32.91	33.68	32.95	33.06	34.11
13	37.51	39.77	37.75	34.76	34.65	33.54	33.15	32.91	33.59	32.92	33.03	34.04
14	36.89	39.58	37.58	34.80	34.70	33.38	33.08	32.92	33.40	32.91	33.07	33.99
15	36.40	39.60	37.52	34.93	34.58	33.17	33.03	33.25	33.19	32.90	33.19	33.91
16	36.10	39.80	37.57	34.91	34.39	33.00	33.04	32.73	33.19	32.88	33.05	33.83
17	35.88	39.99	37.84	34.85	34.22	32.98	33.10	32.85	33.18	32.86	33.01	33.78
18	35.75	39.76	37.89	34.72	34.17	33.03	33.03	32.84	33.15	33.50	32.99	33.41
19	37.28	40.10	37.60	34.60	33.97	32.91	32.98	32.83	33.21	33.33	33.11	33.55
20	38.20	39.89	37.51	34.52	33.88	33.05	32.95	32.80	33.01	32.81	32.97	33.60
21	39.37	39.65	37.25	34.42	33.80	32.69	32.89	32.89	33.01	32.81	33.00	34.39
22	39.27	41.48	37.13	34.35	33.85	33.03	32.97	32.99	32.72	33.40	33.04	34.45
23	38.98	41.48	36.84	34.28	33.68	32.88	33.00	33.08	32.68	33.19	33.08	37.35
24	39.85	40.89	36.49	34.15	33.48	32.77	33.21	32.97	32.71	33.00	33.07	38.87
25	43.62	40.28	36.17	34.08	33.50	32.80	33.39	33.12	32.72	33.00	33.03	38.59
26	43.54	39.90	35.88	33.95	33.50	32.63	33.05	33.06	32.60	32.98	33.05	38.26
27	43.30	39.60	35.63	33.91	33.27	32.93	33.19	33.00	32.90	33.14	33.17	38.05
28	43.12	39.40	35.42	33.92	33.27	32.94	32.83	32.74	32.93	33.07	33.51	38.00
29	43.10	-----	35.39	33.90	34.92	32.87	32.92	32.68	33.02	33.02	33.49	37.77
30	43.10	-----	36.49	33.87	34.53	32.80	33.96	32.78	33.00	32.99	33.39	37.38
31	42.89	-----	36.99	-----	33.34	-----	32.90	32.89	-----	32.98	-----	36.95

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	38.87	40.37	37.68	35.00	33.98	33.42	32.91	32.93	33.01	33.01	33.08	35.09
MAX	43.62	42.58	40.23	37.03	35.22	34.98	33.96	33.25	33.68	33.50	33.51	38.87
MIN	34.28	39.40	35.39	33.87	33.20	32.63	32.45	32.68	32.60	32.78	32.92	33.41
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 34.92.  
 HIGHEST STAGE WAS 43.72 AT 2:00 P.M. ON JAN 25.  
 LOWEST STAGE WAS 32.45 ON JUL 8.

## DAILY STAGE FOR 1990

BAYOU COCODRIE NEAR WHITEVILLE, LA.

LOCATION. LAT. 30-46-41, LONG. 92-11-26. ON HIGHWAY 29 BRIDGE (NEAR INTERSTATE 49), 2.7 MILES  
SOUTHWEST OF WHITEVILLE, LA. (STA. 6176012A.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1939. DAILY, JAN. 2, 1940 TO JUNE 30, 1942, AND MAR. 1,  
1946 TO DATE.

EXTREMES. HIGHEST, 42.3 FEET ON MAY 20, 1953. LOWEST, CHANNEL DRY ON OCT. 19, 1987.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	21.81	34.20	25.58	24.35	18.36	25.00	17.78	17.45	17.61	17.47	17.59	17.99
2	19.91	33.95	30.16	23.40	18.02	24.28	17.78	17.46	17.55	17.29	17.58	17.79
3	18.80	33.60	29.59	22.50	17.87	23.69	17.82	17.45	17.57	17.33	17.57	18.18
4	23.00		28.70	21.79	18.05	F 22.42	17.83	17.45	17.57	17.32	17.55	19.62
5	27.68	F 32.62	27.55	21.19	18.38	21.80	17.84	17.48	17.54	17.41	17.60	18.60
6	30.15	32.19	26.19	20.57	18.37	20.64	17.83	17.47	17.56	17.47	17.56	18.29
7	30.50	31.60	24.60	20.32	18.10	19.63	17.81	17.48	17.58	17.45	17.47	19.23
8	30.70	31.15	23.49	20.10	17.95	18.87	17.80	17.48	17.56	17.57	17.44	20.19
9	29.90	31.50	22.92	19.82	23.50	18.50	17.81	17.48	17.54	17.59	17.55	19.77
10	28.99		22.61	19.55	23.87	18.28	17.40	17.46	17.52	17.61	17.82	19.13
11	27.83		22.33	21.00	21.78	18.06	17.43	17.47	17.58	17.63	17.93	18.46
12	26.14	F 30.79	21.99	22.80	20.32	17.94	17.48	17.45	17.70	17.63	17.68	19.23
13	24.00	30.19	21.82	22.51	19.93	17.92	18.11	17.46	17.68	17.62	17.52	18.06
14	21.88	29.54	22.03	21.57	19.58	17.84	17.62	17.39	17.68	17.61	17.19	17.99
15	20.72	29.18	22.19	21.15	19.40	17.83	17.60	17.44	17.67	17.60	17.15	17.88
16	20.20	30.20	25.65	21.08	18.91	17.76	17.66	17.44	17.63	17.52	17.18	17.81
17	20.00	30.08	26.88	20.56	18.80	17.74	17.69	17.49	17.65	17.53	17.13	17.82
18	19.90	28.99	26.87	20.07	18.66	17.73	17.70	17.49	17.73	17.68	17.15	17.65
19	27.14	29.81	26.23	19.51	18.81	17.74	17.67	17.53	17.74	17.71	17.11	17.62
20	28.47	29.06	25.29	19.22	18.70	17.74	17.70	17.55	17.77	17.42	17.08	17.79
21	30.54	28.19	24.10	19.10	18.49	17.74	17.69	17.55	17.77	17.40	17.06	19.10
22	30.35	32.43	22.99	19.01	18.50	17.82	17.78	17.55	17.70	18.34	17.07	20.17
23	29.95	32.60	22.19	18.90	18.40	17.78	17.70	17.55	17.70	18.32	17.08	26.20
24	30.80	31.50	21.48	18.80	F 18.28	17.76	17.67	17.56	17.71	18.55	17.07	28.70
25	34.48	30.21	20.83	18.60		17.75	17.76	17.69	17.71	18.12	17.12	28.39
26	34.95	29.20	20.27	18.39		17.75	17.77	17.60	17.60	17.79	17.20	27.08
27	34.90	28.23	19.85	18.28		17.82	17.64	17.60	17.62	17.70	17.29	25.50
28	34.65	27.12	19.48	18.40		18.02	17.53	17.68	17.56	17.62	17.43	24.90
29	34.58	-----	19.45	18.57	F 21.67	18.00	17.53	17.67	17.56	17.65	18.31	23.60
30	34.50	-----	23.15	18.41	22.81	17.78	17.49	17.62	17.48	17.60	18.34	22.80
31	34.40	-----	24.58	-----	22.40	-----	17.49	17.62	-----	17.60	-----	22.12

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	27.80	30.73	23.90	20.32	19.56	18.99	17.69	17.52	17.63	17.65	17.43	20.54
MAX	34.95	34.20	30.16	24.35	23.87	25.00	18.11	17.69	17.77	18.55	18.34	28.70
MIN	18.80	27.12	19.45	18.28	17.87	17.73	17.40	17.39	17.48	17.29	17.06	17.62
DAYS	31	25	31	30	27	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 358

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 20.68.

HIGHEST STAGE WAS 35.00 AT 2:00 P.M. ON JAN 26.

LOWEST STAGE WAS 17.03 ON NOV 21 AND LATER DATE(S).

## DAILY STAGE FOR 1990

BAYOU BOEUF AT MEEKER, LA.

LOCATION. LAT. 31-02-25, LONG. 92-22-21. ON U. S. HIGHWAY 167 BRIDGE, ONE MILE SOUTH OF MEEKER, LA.  
(STA. 6180015.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

RECORDS AVAILABLE. OCT. 22, 1954 TO DATE. FOR RECORDS FROM 1939 TO 1954, REFER TO GAGE AT LYLES,  
LA. (D-JJ).EXTREMES. HIGHEST, 67.99 FEET ON DEC. 27, 1982. LOWEST, 58.28 FEET ON SEP. 29, 1956, AND OCT. 20,  
1963.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1952 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	60.93		61.04	62.00	61.05	62.66	60.65	60.14	59.81	60.14	60.18	60.79
2	61.00		61.33	61.79	60.99	62.42	60.69	60.09	59.71	60.05	60.09	60.69
3	60.78		61.72	61.61	60.93	62.28	60.59	60.32	59.64	59.95	60.01	61.72
4	61.09		61.66	61.46	61.01	62.11	60.57	60.55	59.59	59.87	59.99	61.29
5	60.87			61.36	61.11	61.87	60.64	60.57	59.59	59.86	60.15	60.95
6	61.43			61.30	61.09	61.67	60.69	60.55	59.59	59.85	60.20	60.72
7	61.65			61.26	60.98	61.42	60.66	60.50	59.57	59.85	60.28	60.96
8	61.89			61.26	60.92	61.18	60.62	60.44	59.54	59.85	60.33	60.99
9	61.72		60.94	61.22	61.19	61.02	60.55	60.39	59.52	59.87	60.50	61.16
10	61.65		60.81	61.20	61.44	60.86	60.47	60.27	59.49	59.86	60.65	61.08
11	61.25		60.63	61.83	61.40	60.78	60.44	60.25	59.49	59.83	60.76	60.97
12	61.30		60.61	62.15	61.33	60.73	60.40	60.28	59.56	59.80	60.73	60.88
13			60.54	62.11	61.37	60.68	60.69	60.28	59.70	59.76	60.63	60.85
14			60.35	61.89	61.31	60.52	60.69	60.25	59.77	59.70	60.55	60.80
15			60.83	61.80	61.23	60.36	60.62	60.17	59.84	59.68	60.50	60.76
16			61.88	61.74	61.14	60.33	60.52	60.10	59.89	59.63	60.43	60.74
17			62.49	61.61	61.14	60.47	60.47	59.99	59.90	59.61	60.37	60.74
18			62.50	61.49	61.20	60.58	60.33	59.86	59.89	59.58	60.35	60.77
19			62.43	61.37	61.21	60.56	60.29	59.85	59.94	59.56	60.31	60.81
20			62.50	61.28	61.20	60.50	60.21	59.80	60.02	59.52	60.30	60.83
21			62.13	61.23	61.19	60.58	60.12	59.74	60.23	59.54	60.27	60.91
22			61.72	61.20	61.22	60.54	60.11	59.86	60.41	60.15	60.27	61.51
23		62.31	61.61	61.18	61.14	60.49	60.04	59.88	60.62	60.88	60.33	62.94
24		62.37	61.54	61.14	60.98	60.46	60.13	60.02	60.68	61.05	60.38	62.71
25		62.37	61.48	61.10	60.81	60.47	60.51	60.12	60.70	60.91	60.40	62.37
26		62.07	61.43	61.04	60.73	60.51	60.62	60.20	60.63	60.77	60.42	62.10
27		61.77	61.41	61.02	60.62	60.58	60.54	60.26	60.55	60.65	60.42	61.84
28		61.40	61.39	61.09	60.97	60.66	60.38	60.24	60.45	60.56	60.94	61.66
29		-----	61.35	61.14	61.88	60.70	60.31	60.13	60.34	60.47	60.91	61.45
30		-----	61.66	61.10	62.19	60.65	60.25	59.95	60.25	60.37	60.88	61.29
31		-----	62.26	-----	62.17	-----	60.19	59.84	-----	60.27	-----	61.20

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	61.30	62.05	61.49	61.43	61.20	60.96	60.45	60.16	59.96	60.05	60.42	61.24
MAX	61.89	62.37	62.50	62.15	62.19	62.66	60.69	60.57	60.70	61.05	60.94	62.94
MIN	60.78	61.40	60.35	61.02	60.62	60.33	60.04	59.74	59.49	59.52	59.99	60.69
DAYS	12	6	27	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 320

THE MEAN STAGE FOR THE YEAR WAS 60.77.

HIGHEST STAGE WAS NOT DETERMINED.

LOWEST STAGE WAS 59.46 ON SEP 10.

## DAILY STAGE FOR 1990

## BAYOU TECHE AT PORT BARRE, LA.

LOCATION. LAT. 30-32-47, LONG. 91-58-03. ON U. S. HIGHWAY 190 BRIDGE (STA. 6405012A.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. GAGE KNOWN AS RANGE 16 FROM 1932 TO 1933, AND BAYOU TECHE AT HEAD FROM 1936 TO 1939. PRIOR TO JAN. 15, 1985 GAGE LOCATED 1.5 MILES UPSTREAM.

RECORDS AVAILABLE. INTERMITTENTLY, 1932 TO 1933, AND 1936 TO 1937. DAILY, OCT. 1937 TO DATE.

EXTREMES. HIGHEST, 28.27 FEET ON MAY 24, 1953. LOWEST, 10.30 FEET ON OCT. 18, 1956.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	18.85	21.80	18.65	18.30	17.51	18.10	17.47	17.38	17.55	17.32	17.56 F	12.56
2	17.69	21.50	20.06	18.13	17.45	18.27	17.46	17.36	17.57	16.38	17.55	13.69
3	16.40	21.35	20.23	18.00	17.42	18.11	17.46	17.34	17.57	16.19	17.54	16.67
4	18.30	21.40	19.99	17.84	17.40	17.97	17.49	17.32	17.54	16.54	17.55	16.25
5	20.03	21.18	19.56	17.73	17.41	17.85	17.45	17.33	17.59	17.03	17.59	16.51
6	20.42	20.95	19.05	17.66	17.40	17.71	17.49	17.33	17.56	17.31	17.56	16.50
7	20.72	20.72	18.57	17.37	17.37	17.34	17.50	17.30	17.55	17.45	17.55	16.42
8	20.65	20.50	18.29	17.49	17.63	17.63	17.48	17.25	17.55	17.51	17.54	17.03
9	20.30	20.73	18.17 F	17.68	18.20	17.59	17.47	17.19	17.55	17.51	17.66	17.28
10	19.78	20.95	18.06	17.71	18.70	17.51	17.40	17.15	17.54	17.57	17.67	17.21
11	19.25	20.65	17.93	17.72	16.99	17.55	17.35	17.10	17.54	17.54	17.25	15.68
12	18.65	20.42	17.85	17.97	17.93	17.47	17.31	17.06	17.58	17.53	16.46	15.34
13	17.98	19.99	17.77	18.10	17.70	17.39	17.24	17.04	17.36	17.53	15.54	15.52
14	17.10	19.54	17.84	17.97	17.48	17.49	17.46	17.25	17.49	17.54	14.67	15.87
15	16.30	19.12	18.05	17.87	17.34	17.52	17.49	17.43	17.60	17.55	13.77	16.07
16	16.99	19.65	18.20	17.73	17.08	17.54	17.48	17.50	17.62	17.55	13.16	16.17
17	17.18	19.88	18.48	17.61	17.37	17.52	17.50	17.53	17.62	17.54	12.54	16.22
18	17.50	19.86	18.50	17.49	17.49	17.50	17.50	17.54	17.50	17.58		15.40
19	19.44	20.00	18.40	17.31	17.54	17.52	17.46	17.55	17.53	17.37 F	11.48	14.63
20	19.38	19.79	18.25	17.45	17.53	17.51	17.46	17.56	17.62	17.37		15.42
21	19.90	19.47	18.03	17.58	17.51	17.50	17.52	17.55	17.63	17.48		16.10
22	19.82	19.79	17.75	17.59	17.50	17.48	17.52	17.55	17.63	17.72		16.59
23	19.52	20.10	17.80	17.58	17.45	17.48	17.50	17.56	17.62	17.69		17.48
24	20.82	20.17	17.72	17.57	17.46	17.49	17.50	17.57	17.62	17.72		18.70
25	22.95	19.97	17.62	17.51	17.51	17.50	17.50	17.60	17.60	17.70		17.85
26	23.01	19.70	17.51	17.50	17.61	17.50	17.51	17.60	17.58	17.63 F	10.60	17.42
27	22.95	19.39	17.34	17.51	17.60	17.50	17.51	17.60	17.58	17.61		16.88
28	22.60	19.08	17.10	17.55	17.35	17.61	17.48	17.56	17.58	17.60		16.40
29	22.82	-----	17.22	17.55	17.70	17.56	17.42	17.54	17.58	17.59		17.71
30	22.40	-----	18.02	17.56	17.88	17.50	17.40	17.52	17.59	17.57		17.82
31	22.17	-----	18.35	-----	17.90	-----	17.39	17.54	-----	17.55	-----	17.73

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	19.74	20.27	18.27	17.71	17.56	17.61	17.46	17.41	17.57	17.41	15.85	16.36
MAX	23.01	21.80	20.23	18.30	18.70	18.27	17.52	17.60	17.63	17.72	17.67	18.70
MIN	16.30	19.08	17.10	17.31	16.99	17.39	17.31	17.04	17.36	16.19	10.60	12.56
DAYS	31	28	31	28	31	30	31	31	30	31	19	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 352

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 17.81.

HIGHEST STAGE WAS 23.02 AT 10:00 A.M. ON JAN 26.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 10.60 ON NOV 26.

## DAILY STAGE FOR 1990

BAYOU TECHE AT ARNAUDVILLE, LA.

LOCATION. LAT. 30-23-50, LONG. 91-55-50. ON STATE HIGHWAY 31 BRIDGE, 270 FEET UPSTREAM FROM BAYOU FUSILIER. (STA. 6410012C.)

GAGE. AUTOMATIC RECORDER.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U. S. GEOLOGICAL SURVEY SINCE FEB. 1953.

RECORDS AVAILABLE. STAGE, INTERMITTENTLY, 1932 TO 1943. DAILY, NOV. 2, 1943 TO DATE. PUBLISHED BY CORPS OF ENGINEERS SINCE 1943. DISCHARGE, 1946 TO 1956, OBSERVED BY CORPS OF ENGINEERS. COMPUTED DAILY, BY U.S. GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 24.27 FEET ON MAY 23, 1953. LOWEST, 6.78 FEET ON OCT. 28, 1956.

## MEAN DAILY STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	16.60	18.67	15.42	14.75	13.94	14.17			13.88	13.76	13.88	9.98
2	15.45	18.05	17.65	14.95	13.90	14.30			13.88	13.25	13.88	10.82
3	14.15	17.74	17.59	14.76	13.87	14.25			13.88	12.98	13.88	
4	15.23	17.63	16.92	14.39	13.86	14.14			13.88	13.13	13.87	
5	17.08	17.08	16.16	14.22	13.85	14.06			13.91	13.41	13.90	13.24
6	17.85	16.63	15.44	14.13	13.83	13.98		13.71	13.87	13.62	13.90	13.10
7	18.16	16.25	15.00	14.05	13.81	13.89		13.68	13.86	13.75	13.90	13.85
8	18.07		14.73	13.98	13.90	13.92		13.66	13.86	13.80	13.90	13.83
9	17.39	16.73	14.59	14.07	14.40	13.90		13.62	13.86	13.85	14.02	13.71
10	16.62	17.69	14.51	14.13	14.67	13.83		13.59	13.85	13.84	14.00	13.60
11	15.82	17.44	14.43	14.15	14.00			13.56	13.85	13.81	13.81	12.93
12	15.15	16.88	14.36	14.25	14.18			13.53	13.88	13.83	13.30	12.45
13	14.58	16.21	14.33	14.37	14.12			13.52	13.79	13.83	12.68	12.41
14	13.94	15.68	14.33	14.35	13.94			13.61	13.80	13.83	12.04	12.63
15	13.40	15.64	14.67	14.26	13.82			13.73	13.89	13.84	11.55	12.78
16	13.56	15.96	14.80	14.14	13.69			13.82	13.91	13.85	11.09	12.87
17	13.79	15.82	14.90	14.07	13.77			13.84	13.90	13.85	10.67	12.88
18	14.18	15.85	14.84	13.99	13.88			13.85	13.84	13.85	10.35	12.54
19	15.25	16.43	14.75	13.87	13.93			13.85	13.83	13.77	10.09	12.06
20		15.99	14.62	13.88	13.93			13.86	13.90	13.72	9.89	12.21
21	15.92	15.65	14.48	13.99	13.91			13.85	13.90	13.91	9.76	12.73
22	15.72	15.92	14.31	14.03	13.86			13.88	13.89	14.07	9.71	13.19
23	15.49	15.85	14.28	13.99	13.82			13.88	13.87	13.98	9.64	13.56
24	16.41	15.80	14.23	13.97	13.82			13.88	13.85	13.99	9.56	14.36
25	20.88	15.68	14.16	13.96	13.87			13.88	13.86	13.97	9.53	14.18
26	20.78	15.52	14.08	13.96	13.91			13.89	13.86	13.93	9.50	13.87
27	20.21	15.35	13.98	14.03	13.92			13.88	13.86	13.91	9.49	13.54
28		15.18	13.84	14.02	13.83			13.87	13.86	13.90	9.57	13.24
29	20.36	-----	13.86	13.99	13.79			13.86	13.86	13.89	9.56	13.74
30	19.99	-----	14.70	13.97	14.00			13.87	13.86	13.88	9.69	14.06
31	19.33	-----	14.77	-----	14.09	-----		13.89	-----	13.88	-----	14.02

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	16.60	16.42	14.86	14.16	13.94	14.04		13.77	13.87	13.77	11.69	13.05
MAX	20.88	18.67	17.65	14.95	14.67	14.30		13.89	13.91	14.07	14.02	14.36
MIN	13.40	15.18	13.84	13.87	13.69	13.83		13.52	13.79	12.98	9.49	9.98
DAYS	29	27	31	30	31	10	0	26	30	31	30	29

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 304  
 THE MEAN STAGE FOR THE YEAR WAS 14.19.  
 HIGHEST STAGE WAS 21.02 AT 4:00 P.M. ON JAN 25.  
 LOWEST STAGE WAS 9.49 ON NOV 26 AND LATER DATE(S).

## DAILY STAGE FOR 1990

## RUTH CANAL AT RUTH, LA. (EAST)

LOCATION. LAT. 30-14-33, LONG. 91-53-02. ABOUT 100 FEET UPSTREAM FROM CONTROL STRUCTURE, 0.4 MILE BELOW JUNCTION WITH BAYOU TECHE. (STA. 6415012C.)

GAGE. STAFF TYPE.

GENERAL INFORMATION. PRIOR TO JAN. 21, 1947 REFER TO GAGE LOCATED ON OLD STATE HIGHWAY 25 (PRESENTLY HIGHWAY 31) BRIDGE, 600 FEET UPSTREAM

RECORDS AVAILABLE. INTERMITTENTLY, 1932 TO 1933 AND 1937 TO 1945. DAILY, MAY 1945 TO DATE.

EXTREMES. HIGHEST, 12.4 FEET ON AUG 13 AND 15, 1940. LOWEST, 5.2 FEET ON OCT. 27, 1956.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1970 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	11.59	12.74	10.76	10.58	9.81	9.38	9.17	9.34	9.14			
2	11.19	12.34	11.97	10.57	9.82	9.42	9.16	9.19	9.16			
3	10.55	12.05	12.05	10.50	9.81	9.38	9.17	9.17	9.14			
4	10.61	12.29	11.78	10.10	9.83	9.36	9.16	9.14	9.12			
5	11.77	11.97	11.42	9.92	9.79	9.33	9.14	9.13	9.18			
6	11.97	11.79	11.14	9.85	9.78	9.31	9.17	9.12	9.16			
7	12.40	11.54	10.84	9.82	9.70	9.27	9.19	9.12	9.20			10.41
8	12.20	11.57	10.65	9.78	9.75	9.27	9.15	9.13	9.18			9.98
9	11.88	11.88	10.59	9.80	10.12	9.19	9.18	9.11	9.20			9.88
10	11.52	12.18	10.57	9.82	10.14	9.17	9.12	9.14	9.19			9.80
11	11.14	12.10	10.54	9.87	9.87	9.19	9.15	9.13	9.18			9.63
12	10.90	11.81	10.48	9.84	9.87	9.18	9.32	9.11	9.20			9.40
13	10.62	11.49	10.45	9.90	9.89	9.19	9.34	9.13	9.23			9.37
14	10.32	11.14	10.46	9.93	9.84	9.18	9.21	9.12	9.20			9.40
15	10.08	11.07	10.63	9.92	9.81	9.35		9.14	9.23			9.43
16	10.00	11.21	10.79	9.82	9.78	9.20		9.18	9.16			9.48
17	10.15	11.15	10.77	9.81	9.79	9.18		9.19	9.17			9.55
18	10.16	11.19	10.63	9.73	9.77	9.17		9.18	9.15			9.44
19	10.48	11.86	10.58	9.75	9.81	9.16		9.20	9.14			9.24
20	10.73	11.32	10.50	9.76	9.80	9.14		9.25	9.13			9.31
21	10.94	11.14	10.48	9.79	9.79	9.17		9.17	9.16			9.49
22	10.93	11.34	10.43	9.87	9.56	9.20	9.30	9.19	9.18			9.01
23	10.84	11.17	10.39	9.80	9.55	9.25	9.31	9.18	9.14			9.70
24	12.08	11.12	10.38	9.82	9.44	9.19	9.33	9.22	9.08			9.90
25	13.67	11.00	10.34	9.80	9.47	9.20	9.20	9.20	9.12			10.02
26	13.65	10.98	10.33	9.83	9.45	9.19	9.18	9.14	9.11			9.86
27	13.62	10.87	10.30	10.04	9.47	9.18	9.18	9.15	9.10			9.80
28	13.34	10.79	10.24	9.94	9.48	9.44	9.19	9.13	9.09			9.66
29	14.04	-----	10.22	9.91	9.33	9.40	9.12	9.14	9.12			9.71
30	13.47	-----	10.97	9.83	9.31	9.34	9.16	9.17	9.08			9.95
31	13.00	-----	10.62	-----	9.34	-----	9.15	9.15	-----	-----	-----	9.93

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	11.61	11.54	10.72	9.92	9.71	9.25	9.20	9.16	9.15			9.65
MAX	14.04	12.74	12.05	10.58	10.14	9.44	9.34	9.34	9.23			10.41
MIN	10.00	10.79	10.22	9.73	9.31	9.14	9.12	9.11	9.08			9.01
DAYS	31	28	31	30	31	30	24	31	30	0	0	25

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 291

THE MEAN STAGE FOR THE YEAR WAS 10.01.

HIGHEST STAGE WAS 14.04 ON JAN 29.

LOWEST STAGE WAS NOT DETERMINED.

DAILY GATE-OPENINGS FOR 1990  
RUTH CANAL CONTROL STRUCTURE

PHYSICAL DATA. CONTROL STRUCTURE CONSISTS OF THREE GATES, EACH EIGHT FEET WIDE. ALL GATES ARE OPENED THE SAME AMOUNT.

REMARKS. STRUCTURE IS OPERATED AND MAINTAINED BY THE TECHE-VERMILION FRESHWATER DISTRICT, LAFAYETTE, LA.

DAILY EIGHT A.M. GATE OPENINGS IN INCHES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3	3	3	3	8	12	12	12	12			
2	3	3	3	3	8	12	12	12	12			
3	3	3	3	3	8	12	12	12	12			
4	3	3	3	3	8	12	12	12	12			
5	3	3	3	3	8	12	12	12	12			
6	3	3	3	3	8	12	12	12	12			
7	3	3	3	3	8	12	12	12	12			
8	3	3	3	3	8	12	12	12	12			3
9	3	3	3	3	8	12	12	12	12			3
10	3	3	3	3	8	12	12	12	12			3
11	3	3	3	3	8	12	12	12	12			3
12	3	3	3	3	8	12	12	12	12			3
13	3	3	3	3	8	12	12	12	12			3
14	3	3	3	3	8	12	12	12	12			3
15	3	3	3	3	8	12	12	12	12			3
16	3	3	3	3	8	12	12	12	12			3
17	3	3	3	3	8	12	12	12	12			3
18	3	3	3	3	8	12	12	12	12			3
19	3	3	3	3	8	12	12	12	12			3
20	3	3	3	3	8	12	12	12	12			3
21	3	3	3	3	8	12	12	12	12			3
22	3	3	3	3	8	12	12	12	12			3
23	3	3	3	3	12	12	12	12	12			3
24	3	3	3	3	12	12	12	12	12			3
25	3	3	3	3	12	12	12	12	12			3
26	3	3	3	3	12	12	12	12	12			3
27	3	3	3	3	12	12	12	12	12			3
28	3	3	3	3	12	12	12	12	12			3
29	3	3	3	3	12	12	12	12	12			3
30	3	3	3	3	12	12	12	12	12			3
31	3	3	3	3	12	12	12	12	12			3

## DAILY STAGE FOR 1990

## BAYOU TECHE AT KEYSTONE LOCK (LA.) (UPPER)

LOCATION. LAT. 30-04-15, LONG. 91-49-44. UPSTREAM SIDE OF LOCK AND DAM, ON WEST FENDER, 3.8 MILES SOUTH OF ST. MARTINVILLE, LA. (STA. 6420012D.)

GAGE. STAFF TYPE.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U. S. GEOLOGICAL SURVEY SINCE DEC. 1989.

RECORDS AVAILABLE. STAGE, JULY 1, 1913 TO DATE. DISCHARGE, COMPUTED DAILY, IN REPORTS OF U.S. GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 24.30 FEET ON MAY 27, 1927. LOWEST, 0.75 FOOT ON JULY 18, 1918.

## MEAN DAILY STAGE IN FEET

GAGE ZERO IS AT M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	10.96	11.27	10.70	10.63	10.36	10.20	10.13	10.14	10.10	10.11	10.16	9.79
2	10.82	11.17	11.04	10.63	10.35	10.22	10.10	10.15	10.11	10.05	10.16	9.92
3	10.64	11.11	11.06	10.63	10.35	10.23	10.10	10.12	10.11	9.98	10.17	10.66
4	10.57	11.16	11.01	10.50	10.35	10.22	10.09	10.11	10.11	10.00	10.17	10.52
5	10.95	11.06	10.91	10.40	10.34	10.19	10.09	10.11	10.13	10.02	10.18	10.33
6	11.07	10.98	10.79	10.39	10.32	10.16	10.11	10.11	10.11	10.05	10.16	10.28
7	11.20	10.91	10.70	10.35	10.31	10.14	10.12	10.11	10.11	10.09	10.16	10.66
8	11.15	10.96	10.64	10.33	10.36	10.14	10.11	10.10	10.11	10.13	10.16	10.44
9	11.06	11.11	10.61	10.34	10.52	10.13	10.11	10.09	10.12	10.14	10.23	10.36
10	10.96	11.14	10.60	10.38	10.50	10.10	10.09	10.08	10.11	10.13	10.19	10.33
11	10.84	11.09	10.57	10.39	10.42	10.12	10.09	10.08	10.14	10.11	10.16	10.25
12	10.73	11.01	10.56	10.36	10.31	10.11	10.12	10.08	10.16	10.11	10.10	10.15
13	10.63	10.91	10.54	10.39	10.41	10.10	10.18	10.08	10.18	10.09	9.99	10.12
14	10.54	10.81	10.53	10.41	10.38	10.11	10.14	10.07	10.15	10.07	9.92	10.13
15	10.44	10.78	10.62	10.40	10.34	10.15	10.12	10.08	10.14	10.08	10.14	10.16
16	10.40	10.84	10.69	10.36	10.32	10.15	10.13	10.11	10.14	10.08	10.10	10.18
17	10.42	10.79	10.67	10.36	10.34	10.13	10.16	10.10	10.13	10.09	10.02	10.17
18	10.47	10.89	10.63	10.34	10.33	10.13	10.15	10.10	10.13	10.10	9.95	10.16
19	10.57	11.13	10.62	10.32	10.34	10.11	10.13	10.11	10.13	10.09	9.89	10.08
20	10.69	10.91	10.59	10.33	10.35	10.11	10.13	10.11	10.14	10.11	9.85	10.04
21	10.75	10.81	10.57	10.36	10.34	10.14	10.13	10.13	10.14	10.21	9.80	10.11
22	10.75	10.88	10.55	10.39	10.27	10.15	10.15	10.14	10.15	10.27	9.78	10.32
23	10.72	10.80	10.54	10.36	10.24	10.15	10.16	10.11	10.13	10.19	9.78	10.30
24	10.97	10.77	10.54	10.35	10.22	10.13	10.19	10.12	10.11	10.17	9.71	10.37
25	11.58	10.75	10.53	10.35	10.22	10.12	10.18	10.12	10.11	10.15	9.68	10.40
26	11.55	10.73	10.52	10.35	10.22	10.12	10.14	10.13	10.12	10.13	9.65	10.37
27	11.53	10.71	10.51	10.44	10.25	10.12	10.13	10.10	10.11	10.13	9.64	10.34
28	11.47	10.68	10.49	10.41	10.23	10.21	10.14	10.10	10.10	10.14	9.76	10.28
29	11.65	-----	10.52	10.37	10.16	10.21	10.14	10.11	10.11	10.15	9.74	10.29
30	11.49	-----	10.77	10.38	10.17	10.16	10.13	10.13	10.11	10.15	9.72	10.38
31	11.38	-----	10.65	-----	10.19	-----	10.12	10.14	-----	10.15	-----	10.39

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	10.93	10.93	10.65	10.40	10.32	10.15	10.13	10.11	10.12	10.11	9.97	10.27
MAX	11.65	11.27	11.06	10.63	10.52	10.23	10.19	10.15	10.18	10.27	10.23	10.66
MIN	10.40	10.68	10.49	10.32	10.16	10.10	10.09	10.07	10.10	9.98	9.64	9.79
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 10.34.  
 HIGHEST STAGE WAS 11.77 AT 5:10 A.M. ON JAN 29.  
 LOWEST STAGE WAS 9.60 ON NOV 27.



## DAILY STAGE FOR 1990

## BAYOU TECHE AT KEYSTONE LOCK (LA.) (LOWER)

LOCATION. LAT. 30-04-13, LONG. 91-49-42. DOWNSTREAM SIDE OF LOCK AND DAM, ON WEST FENDER,  
3.8 MILES SOUTH OF ST. MARTINVILLE, LA. (STA. 6425012D.)

GAGE. STAFF TYPE.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U. S. GEOLOGICAL SURVEY SINCE DEC. 1989.

RECORDS AVAILABLE. JULY 1, 1913 TO DATE.

EXTREMES. HIGHEST, 24.30 FEET (GATES OPEN) ON MAY 27, 1927. LOWEST, MINUS 0.7 FOOT ON SEP. 22, 1913.

## MEAN DAILY STAGE IN FEET

GAGE ZERO IS AT M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	7.61	8.01	5.14	5.81	4.08	3.78	3.06	3.05	2.87		3.29	2.57
2	6.41	7.64	7.30	5.75	4.14	3.93	2.95	3.36	2.97		3.48	2.99
3	5.70	7.37	6.77	5.24	4.33	3.92	2.83	3.25	3.06		3.64	6.80
4	5.63	7.49	6.46	4.74	4.38	3.79	2.79	3.13			3.80	5.65
5	6.01	6.94	6.02	4.34	4.21	3.57	2.84	3.01		3.36	3.82	4.11
6	6.64	6.65	5.54	4.31	3.86	3.46	2.89	2.98		3.37	3.47	3.89
7	7.62	6.32	5.16	4.16	3.64	3.48	2.89	2.99		3.49	3.48	5.56
8	7.51	6.92	4.91	4.16	3.95	3.46	2.77	2.99		3.53	3.30	4.63
9	6.92	8.76	4.84	3.89	5.22	3.49	2.74	2.94		3.63	3.98	3.85
10	6.42	8.11	4.97	3.99	4.37	3.42	2.91	2.83		3.23	3.67	3.62
11	5.93	7.63	4.92	3.89	4.03	3.35	3.49	2.92		2.71	3.08	3.52
12	5.39	7.13	4.86	3.57	4.11	3.25	3.35	3.03		2.73	2.96	3.24
13	5.23	6.71	4.54	3.67	4.42	3.23	3.42	3.14		2.73	2.56	3.06
14	4.87	6.19	4.54	4.10	4.27	3.30	3.14	3.26		2.92	2.50	2.95
15	4.42	6.06	4.93	4.14	4.02	3.35	2.89	3.38		3.05	3.02	3.03
16	4.08	6.25	5.59	3.91	4.09	3.44	3.04	3.47		3.12	3.11	3.14
17	4.09	5.83	5.32	3.85	4.18	3.32	3.19	3.56		3.26	3.01	3.24
18	4.38	6.44	4.84	3.61	4.03	3.14	3.25	3.68		3.29	2.88	3.46
19	4.72	8.33	4.55	3.19	3.95	2.93	3.33	3.69		2.93	3.00	3.25
20	5.12	7.09	4.40	3.43	3.88	2.96	3.37	3.58		3.19	2.96	3.15
21	5.73	6.57	4.40	3.80	3.86	3.13	3.40	3.52		3.66	3.02	3.44
22	4.99	7.01	4.12	3.96	3.67	3.29	3.51	3.60		3.99	3.10	3.87
23	4.66	6.40	4.46	3.91	3.57	3.42	3.63	3.47		3.48	3.09	4.03
24	5.48	6.00	4.56	3.89	3.60	3.25	3.79	3.24		3.31	2.86	
25	8.72	5.71	4.45	4.04	3.67	3.24	3.72	2.80		3.05	2.86	
26	8.65	5.40	4.07	4.20	3.77	3.12	3.27	2.68		2.76	2.91	
27	8.52	5.16	4.19	4.43	3.94	3.06	3.04	2.64		2.87	3.23	
28	8.35	4.95	4.19	3.94	4.14	3.07	2.97	2.83		2.91	3.30	
29	9.04	-----	4.47	3.80	3.61	3.07	3.25	2.94		2.96	2.81	
30	8.77	-----	7.18	3.91	3.71	3.21	3.13	2.08		3.11	2.19	
31	8.38	-----	6.42	-----	3.76	-----	3.06	2.88	-----	3.15	-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	6.32	6.75	5.10	4.12	4.01	3.35	3.16	3.13	2.97	3.18	3.15	3.78
MAX	9.04	8.76	7.30	5.81	5.22	3.93	3.79	3.69	3.06	3.99	3.98	6.80
MIN	4.08	4.95	4.07	3.19	3.57	2.93	2.74	2.08	2.87	2.71	2.19	2.57
DAYS	31	28	31	30	31	30	31	31	3	27	30	23

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 326

THE MEAN STAGE FOR THE YEAR WAS 4.18.

HIGHEST STAGE WAS 9.46 AT 2:00 A.M. ON FEB 9.

LOWEST STAGE WAS NOT DETERMINED.

## DAILY STAGE FOR 1990

## CHARENTON DRAINAGE CANAL NEAR FLOODGATE (LA.)

LOCATION. LAT. 29-53-30, LONG. 91-31-32. IN CHARENTON DRAINAGE CANAL WEST OF FLOODGATE.  
(STA. 6440013.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO NOV. 1970 GAGE WAS LOCATED ABOUT 200 FEET NORTH OF PRESENT LOCATION.

RECORDS AVAILABLE. JAN. 1943 TO NOV. 1945, AND APR. 1946 TO DATE.

EXTREMES. HIGHEST, 7.3 FEET ON JUNE 8, 1953. LOWEST, (FROM INCOMPLETE RECORD) MINUS 1.43 FEET  
ON DEC. 22, 1989.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.66	2.62	1.82	1.94	1.74	2.14	1.43	1.37	1.15	1.26	1.25	1.01
2	1.35	2.68	2.05	1.87	1.80	2.37	1.45	1.38	1.19	1.30	1.45	1.15
3	1.06	2.57	1.83	1.64	2.15	2.28	1.20	1.35	1.33	1.74	1.62	2.24
4	0.84	2.76	1.77	1.35	1.98	2.30	1.14	1.23	1.39	1.82	1.85	1.80
5	0.92	2.35	1.79	1.52	1.97	2.04	1.24	1.15	1.15	1.37	1.84	1.37
6	1.15	2.41	1.74	1.70	1.45	1.89	1.43	1.05	1.42	1.49	1.55	1.34
7	1.33	2.30	1.75	1.09	1.34	1.96	1.32	0.94	1.49	1.65	1.57	1.54
8	1.33	2.33	1.91	1.14	1.67	1.89	1.15	0.85	1.43	1.70	1.37	1.10
9	1.43	2.63	1.92	1.45	2.32	1.88	1.10	0.89	1.45	1.80	2.14	0.84
10	1.35	2.82	1.87	1.58	2.02	1.83	1.27	0.94	1.53	1.04	1.12	0.64
11	1.11	2.57	1.89	1.40	1.85	1.68	1.30	1.12	1.72	0.54	0.73	0.40
12	0.97	2.45	2.06	0.97	2.11	1.60	1.38	1.24	1.87	0.77	0.90	0.77
13	0.37	2.39	2.02	1.31	2.38	1.56	1.30	1.43	1.77	0.52	0.55	0.86
14	0.51	2.22	1.98	1.49	2.21	1.54	0.93	1.55	1.75	0.82	0.73	0.87
15	0.60	2.40	2.16	1.39	2.03	1.60	0.78	1.62	1.56	1.01	1.04	0.89
16	0.55	2.44	2.19	1.26	2.05	1.73	1.10	1.63	1.42	1.04	1.15	1.00
17	0.67	2.09	2.00	1.35	1.92	1.66	1.40	1.73	1.27	1.25	1.21	1.06
18	0.77	1.94	1.73	1.06	1.52	1.57	1.48	1.85	1.30	1.32	1.26	1.35
19	0.85	2.22	1.65	1.01	1.70	1.30	1.50	1.75	1.33	0.55	1.43	1.15
20	1.17	2.15	1.17	1.33	1.91	1.38	1.53	1.59	1.37	1.17	1.43	1.38
21	1.07	2.12	0.95	1.52	1.96	1.51	1.62	1.50	1.25	1.36	1.60	1.54
22	0.88	2.65	1.34	1.55	1.74	1.73	1.70	1.45	1.28	1.58	1.77	1.55
23	0.92	2.56	1.16	1.50	1.43	1.60	1.73	1.37	0.75	1.22	1.80	1.62
24	1.00	2.26	1.35	1.58	1.64	1.59	1.45	1.11	0.28	1.24	1.59	0.70
25	1.97	2.05	1.49	1.82	1.79	1.66	1.23	0.88	0.89	0.86	1.49	0.45
26	1.76	1.99	1.24	1.94	1.86	1.44	0.99	0.65	1.09	0.65	1.50	0.56
27	2.04	1.96	1.00	2.11	2.00	1.31	1.07	0.87	1.15	0.79	1.71	0.83
28	2.10	1.89	1.24	1.92	2.14	1.20	1.25	1.14	1.08	0.80	1.87	0.93
29	2.56	-----	1.49	1.76	1.82	1.34	1.34	1.30	1.08	0.77	1.29	1.09
30	2.54	-----	2.17	1.83	1.93	1.57	1.17	1.22	1.21	0.97	0.63	1.24
31	2.58	-----	2.05	-----	2.05	-----	1.27	1.17	-----	1.07	-----	1.07

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.27	2.35	1.70	1.51	1.89	1.70	1.30	1.27	1.30	1.14	1.38	1.11
MAX	2.58	2.82	2.19	2.11	2.38	2.37	1.73	1.85	1.87	1.82	2.14	2.24
MIN	0.37	1.89	0.95	0.97	1.34	1.20	0.78	0.65	0.28	0.52	0.55	0.40
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
THE MEAN STAGE FOR THE YEAR WAS 1.49.  
HIGHEST STAGE WAS 3.00 AT 10:00 P.M. ON FEB 3.  
LOWEST STAGE WAS 0.23 ON JAN 13.

## DAILY STAGE FOR 1990

CHARENTON DRAINAGE CANAL AT BALDWIN, LA.

LOCATION. LAT. 29-49-23, LONG. 91-32-30. ABOUT 35 FEET SOUTHWEST OF SOUTHERN PACIFIC RAILROAD BRIDGE. (STA. 6445013.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO 1981 GAGE ZERO WAS MINUS 0.26 FOOT NGVD.

RECORDS AVAILABLE. AUG. 15, 1941 TO DATE.

EXTREMES. HIGHEST, 5.16 FEET (CAUSED BY HURRICANE) ON JUNE 27, 1957. LOWEST, (FROM INCOMPLETE RECORD), MINUS 1.82 FEET ON DEC. 22, 1989. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.93	1.68	1.77	1.58	1.46	2.27	1.36	1.70	1.60	1.42	1.08	0.80
2	0.90	1.50	1.17	1.24	1.75	2.64	1.47	1.64	1.50	1.35	1.27	0.77
3	0.80	1.44	0.95	0.75	2.40	2.15	1.19	1.63	1.57	2.09	1.45	2.16
4	0.65	1.15	0.97	0.74	1.90	2.20	1.25	1.43	1.49	1.82	1.84	0.62
5	0.25	0.66	1.05	1.14	1.35	1.98	1.56	1.31	1.04	0.94	1.43	1.03
6	0.20	1.40	1.25	1.54	0.97	1.90	1.74	1.26	1.59	1.39	1.51	1.25
7	0.37	1.20	1.39	0.34	1.35	2.17	1.44	0.99	1.49	1.64	1.50	1.21
8	0.20	1.47	1.62	1.04	1.93	2.01	1.20	0.85	1.37	1.70	1.40	0.61
9	0.60	2.00	1.63	1.50	2.62	1.99	1.42	0.99	1.55	1.97	2.85	0.35
10	0.49	2.15	1.72	1.70	1.62	1.87	1.48	1.24	1.69	0.00	0.30	0.16
11	0.45	1.46	1.89	1.03	2.00	1.65	1.49	1.36	2.02	0.75	0.47	-0.04
12	0.45	1.46	2.20	0.96	2.48	1.57	1.59	1.30	2.30	1.02	0.63	0.60
13	0.00	1.82	2.21	1.49	2.42	1.70	1.37	1.64	2.01	0.60	0.13	0.40
14	0.37	1.60	2.13	1.45	2.05	1.55	1.00	1.84	1.92	0.86	0.48	0.40
15	0.60	2.34	1.65	0.91	1.91	1.71	0.87	1.89	1.54	0.90	0.78	0.49
16	0.54	1.65	1.65	1.05	2.13	1.75	1.29	1.88	1.40	0.92	0.85	0.69
17	0.59	0.79	1.48	1.29	1.53	1.65	1.65	2.07	1.28	1.23	0.79	0.87
18	0.44	1.13	1.24	0.49	1.05	1.50	1.80	2.20	1.28	0.90	1.13	1.22
19	0.53	1.24	1.10	0.73	1.77	1.23	1.76	1.90	1.37	0.31	1.28	0.85
20	0.70	1.05	0.32	1.18	1.96	1.50	1.71	1.63	1.35	1.25	1.24	1.35
21	0.22	1.42	0.44	1.39	1.89	1.77	1.85	1.57	1.53	1.35	1.64	1.51
22	0.19	2.16	1.15	1.33	1.50	2.00	1.90	1.54	1.20	1.30	1.83	1.45
23	0.52	1.56	0.80	1.41	1.34	1.51	1.86	1.42	0.42	1.15	1.71	1.09
24	0.64	1.32	1.13	1.64	1.95	1.71	1.55	1.00	0.53	1.25	1.57	-0.34
25	1.29	1.15	1.25	2.14	2.04	1.68	1.30	0.80	1.03	0.55	1.32	0.36
26	0.69	1.49	0.97	2.26	2.15	1.42	1.00	0.65	1.24	0.84	1.41	0.37
27	1.54	1.63	1.02	2.14	2.24	1.25	1.30	1.13	1.25	0.88	1.74	0.60
28	1.49	1.73	1.60	1.89	2.07	1.16	1.50	1.35	1.40	0.77	1.35	0.45
29	2.05	-----	1.75	2.00	1.77	1.33	1.40	1.47	1.17	0.71	0.20	0.75
30	1.72	-----	2.20	1.75	1.90	1.60	1.17	1.25	1.44	0.80	0.11	0.85
31	1.50	-----	1.65	-----	2.00	-----	1.55	1.58	-----	0.85	-----	0.40

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.71	1.49	1.40	1.34	1.85	1.75	1.45	1.44	1.42	1.08	1.18	0.75
MAX	2.05	2.34	2.21	2.26	2.62	2.64	1.90	2.20	2.30	2.09	2.85	2.16
MIN	0.00	0.66	0.32	0.34	0.97	1.16	0.87	0.65	0.42	0.00	0.11	-0.34
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 1.32.  
 HIGHEST STAGE WAS 3.09 AT 6:45 A.M. ON NOV 9.  
 LOWEST STAGE WAS MINUS 0.62 ON OCT 10.

**DAILY STAGE FOR 1990**

HANSON CANAL AT HANSON LOCK (LA.) (NORTH)

LOCATION. LAT. 29-46-17, LONG. 91-29-01. ON HIGHWAY 183 BRIDGE SOUTHEAST OF FRANKLIN, LA.  
(STA. 6455010.)

**GAGE. STAFF TYPE.**

RECORDS AVAILABLE. DAILY, NOV. 18, 1923 TO SEP. 19, 1951. INTERMITTENTLY, 1951 TO DATE.

STAGE IN FEET

GAGE ZERO IS AT M.L.G. (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					2.70							
2	1.95									2.35		
3				2.20			2.30					
4												2.40
5		2.10				3.05			2.60			
6											2.50	
7			2.79		2.85			2.35				
8	1.60											
9				2.70								
10												
11									3.08			1.20
12						2.60						
13			3.15					2.90			1.30	
14		2.90										
15					2.98							
16	1.80									2.00		
17				2.20			2.65					
18									2.25			2.50
19						2.40						
20			1.90									
21		2.80									2.80	
22					2.80			2.50				
23										2.35		
24	2.60					2.69	2.55		2.40			
25												
26		2.78	2.15								2.50	2.00
27								2.65				
28					2.60							
29	2.88	-----								2.00	-----	
30		-----										
31		-----		-----		-----	2.65		-----			

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## DAILY STAGE FOR 1990

## BAYOU TECHE AT WEST CALUMET FLOODGATE (LA.)

LOCATION. LAT. 29-42-13, LONG. 91-22-31. IN CHANNEL ON SOUTHWEST END OF FLOODGATE, 0.8 MILE  
NORTHWEST OF CALUMET, LA. (STA. 6465010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. SEP. 12, 1951 TO DATE.

EXTREMES. HIGHEST, 4.65 FEET ON APR. 17, 1973. LOWEST, MINUS 2.25 FEET ON DEC. 6, 1954.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO, MINUS 0.14 FOOT, NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.85	1.92	1.69	2.10	1.95	2.20	1.95	2.62	2.29	2.09	1.51	1.14
2	1.00	2.33	2.09	2.15	2.01	2.65	1.80	2.62	2.13	1.87	1.69	1.05
3	0.95	2.07	1.57	1.92	2.44	2.62	1.75	2.40	2.20	2.46	1.97	2.80
4	0.95	2.22	1.64	1.64	2.40	2.56		2.36	2.05	2.09	2.44	0.93
5	0.44	1.42	1.91	2.00	2.27	2.25 F	2.05	2.34	1.63	1.10	2.09	1.55
6	0.17	2.10	2.02	2.23	1.57	2.19	2.16	2.20	2.23	1.69	2.25	1.73
7	0.30	2.04	2.05	1.45	1.70	2.25	1.80	2.24	2.23	2.05	2.18	1.60
8	0.12	2.15	2.17	1.85	2.05	2.30	1.86	1.77	2.03	2.16	2.09	1.04
9	0.55	2.52	2.22	1.95	2.65	2.27	1.95	1.87	2.20	2.46	3.35	0.87
10	0.65	2.79	2.25	1.79	2.19	2.02	2.00	2.18	2.34	0.60	0.87	0.77
11	0.74	2.05	2.25	1.67	1.85	1.85	1.81	2.23	2.69	1.82	0.97	0.64
12	1.09	1.95	2.40	1.35	2.33	1.67	1.86	2.25	2.82	1.72	1.12	1.20
13	0.79	2.05	2.07	1.55	2.52	1.75	1.80	2.51	2.60	1.28	0.67	1.07
14	1.25	1.87	2.30	1.70	2.24	1.90	1.85	2.55	2.42	1.51	0.87	1.07
15	1.35	2.10	2.52	1.72	2.17	1.85	1.90	2.62	2.08	1.39	1.03	1.17
16	1.38	2.37	2.48	1.75	2.20	2.20	1.85	2.57	2.03	1.36	1.04	1.39
17	1.40	1.66	2.15	1.57	2.20	2.07	1.92	2.76	1.96	1.54	1.09	1.55
18	1.27	1.65	1.85	1.50	1.73	1.95	1.90	2.88	1.85	1.55	1.50	1.92
19	1.34	2.00	1.91	1.60	1.91	1.85	1.94	2.57	1.95	0.92	1.70	1.62
20	1.41	1.86	1.50	1.92	2.35	1.85	1.90	2.32	1.89	1.93	1.65	1.92
21	1.22	2.09	1.45	2.00	2.35	2.07	1.93	2.22	2.09	1.97	2.14	2.22
22	1.25	2.78	1.87	2.00	2.18	1.84	1.87	2.32	1.69	1.95	2.33	2.09
23	1.40	2.58	1.50	1.96	1.63	1.65	1.90	2.11	0.90	1.85	2.13	1.92
24	1.42	2.06	1.81	2.00	1.85	1.65	1.67	1.50	1.25	2.04	2.09	0.86
25	2.07	1.77	2.00	2.06	2.00	1.85	1.74	1.39	1.76	1.53	1.77	1.44
26	1.54	2.00	1.72	2.18	1.95	1.70	2.03	1.35	1.87	1.83	1.82	1.39
27	2.05	1.99	1.54	2.30	2.07	1.55	2.15	1.65	1.84	1.70	2.09	1.63
28	2.11	1.80	1.90	2.00	2.14	1.60	2.37	2.06	2.00	1.59	1.73	1.39
29	2.38	-----	1.80	1.85	2.07	1.75	2.33	2.06	1.87	1.50	0.50	1.63
30	1.97	-----	2.20	2.10	2.15	2.25	2.16	1.84	2.10	1.48	0.45	1.70
31	1.86	-----	2.22	-----	2.27	-----	2.45	2.41	-----	1.23	-----	1.61

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.20	2.08	1.97	1.86	2.11	2.01	1.95	2.22	2.03	1.69	1.64	1.45
MAX	2.38	2.79	2.52	2.30	2.65	2.65	2.45	2.88	2.82	2.46	3.35	2.80
MIN	0.12	1.42	1.45	1.35	1.57	1.55	1.67	1.35	0.90	0.60	0.45	0.64
DAYS	31	28	31	30	31	30	30	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 364

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.85.

HIGHEST STAGE WAS 3.67 AT 4:15 A.M. ON NOV 9.

LOWEST STAGE WAS MINUS 0.06 ON OCT 10.

## DAILY STAGE FOR 1990

## BAYOU TECHE AT EAST CALUMET FLOODGATE (LA.)

LOCATION. LAT. 29-42-08, LONG. 91-22-07. IN CHANNEL ON SOUTHEAST END OF FLOODGATE, 0.2 MILE NORTH OF CALUMET, LA. (STA. 6470010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO 1976 GAGE ZERO WAS MINUS 0.14 FOOT, NGVD.

RECORDS AVAILABLE. SEP. 13, 1951 TO DATE.

EXTREMES. HIGHEST, 5.08 FEET ON OCT. 3, 1964. LOWEST, MINUS 2.34 FEET ON DEC. 23, 1953. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.80	1.60	2.90	3.12	2.73	2.80	3.03	2.61	2.30	2.00	1.38	1.07
2	1.05	1.61	2.97	3.11	2.72	2.83	2.99	2.58	2.10	1.76	1.60	1.15
3	0.95	1.65	2.95	3.07	2.69	2.80	2.95	2.53	2.27	2.41	1.80	3.10
4	1.17	1.66	2.94	3.04	2.67	2.77	3.00	2.38	2.09	2.00	2.35	1.00
5	0.42	1.74	2.94	2.99	2.66	2.77	3.03	2.36	1.66	1.04	2.05	1.54
6	0.20	1.70	2.93	2.95	2.66	2.84	3.04	2.17	2.15	1.65	2.11	1.79
7	0.30	1.83	2.92	3.04	2.65	2.84	3.02	2.16	2.07	1.93	2.11	1.66
8	0.11	1.85	2.91	2.90	2.63	2.85	2.99	1.80	1.85	2.13	2.02	1.04
9	0.55	2.53	2.90	2.85	2.76	2.86	2.97	2.16	2.12	2.38	3.84	0.92
10	0.60	2.53	2.92	2.84	2.78	2.87	2.94	2.32	2.22	0.58	0.91	0.82
11	0.68	2.55	2.94	2.88	2.77	2.87	2.90	2.23	2.60	1.84	0.99	0.67
12	0.97	2.54	2.93	2.86	2.75	2.86	2.87	2.17	2.76	1.68	1.12	1.22
13	0.80	2.54	2.93	2.81	2.74	2.85	2.91	2.50	2.53	1.23	0.66	1.09
14	1.27	2.55	2.94	2.77	2.78	2.84	2.75	2.57	2.37	1.47	0.87	1.10
15	1.88	2.54	2.91	2.77	2.77	2.83	2.60	2.64	2.03	1.37	0.95	1.12
16	1.54	2.59	3.44	2.74	2.77	2.85	2.55	2.62	1.94	1.58	1.00	1.40
17	1.48	2.58	3.34	2.72	2.76	2.85	2.65	2.77	1.88	1.39	0.99	1.55
18	1.35	2.55	3.25	2.71	2.77	2.87	2.65	2.90	1.80	1.33	1.45	1.95
19	1.42	2.81	3.17	2.67	2.80	2.86	2.64	2.50	1.90	0.82	1.57	1.64
20	1.51	2.83	3.15	2.65	2.85	2.86	2.65	2.22	1.84	1.75	1.60	1.90
21	1.34	2.85	3.07	2.64	2.84	2.89	2.65	2.14	2.00	1.85	2.00	2.15
22	1.35	3.07	3.03	2.63	2.85	2.91	2.65	2.16	1.58	1.84	2.25	1.99
23	1.45	3.03	2.99	2.62	2.84	2.95	2.65	1.94	0.87	2.15	2.12	1.84
24	1.37	3.00	2.95	2.60	2.83	3.02	2.65	1.50	1.17	1.85	2.05	0.85
25	1.47	3.00	2.94	2.61	2.82	3.02	2.44	1.34	1.68	1.35	1.77	1.47
26	1.47	2.95	2.91	2.60	2.81	3.00	2.10	1.25	1.78	1.69	1.79	1.43
27	1.38	2.93	2.90	2.59	2.81	3.01	2.35	1.60	1.77	1.58	2.07	1.63
28	1.42	2.92	2.87	2.76	2.83	3.03	2.40	2.09	1.90	1.49	1.72	2.08
29	1.47	-----	2.85	2.75	2.83	3.02	2.36	2.04	1.74	1.37	0.47	2.04
30	1.54	-----	3.11	2.74	2.80	3.03	2.21	1.82	1.98	1.35	0.49	2.06
31	1.59	-----	3.17	-----	2.81	-----	2.49	2.45	-----	1.17	-----	2.09

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.13	2.45	3.00	2.80	2.77	2.89	2.71	2.21	1.96	1.61	1.60	1.53
MAX	1.88	3.07	3.44	3.12	2.85	3.03	3.04	2.90	2.76	2.41	3.84	3.10
MIN	0.11	1.60	2.85	2.59	2.63	2.77	2.10	1.25	0.87	0.58	0.47	0.67
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 2.22.  
 HIGHEST STAGE WAS 4.11 AT 6:00 A.M. ON NOV 9.  
 LOWEST STAGE WAS 0.00 ON JAN 8.

## DAILY STAGE FOR 1990

## BAYOU VERMILION AT TONTONS BRIDGE (LA.)

LOCATION. LAT. 30-21-00, LONG. 91-58-53. ON HIGHWAY 726 BRIDGE, NORTHEAST OF CARENCRO, LA. (STA. 6715012C.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. MAY 6, 1947 TO AUG. 24, 1973 AND MAY 2, 1974 TO DATE.

EXTREMES. HIGHEST, 21.70 FEET ON APR. 21, 1977. LOWEST, MINUS 0.35 FOOT ON DEC. 7, 1954.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	14.93	16.77	8.07	7.95	6.03	6.90	6.26	5.63	5.63	5.62	5.63	3.18
2	13.87	16.03	16.26	8.15	5.88	6.57	5.89	5.68	5.69	5.42	5.74	3.48
3	12.39	15.28	15.89	9.10	5.97	6.53	5.75	5.66	5.77 F	5.30	5.86	10.40
4	11.10	15.93	14.67	7.59	6.10	6.33	5.68	5.62	5.78	5.34	5.95	12.28
5	14.67	15.14	13.60	6.70	5.86	6.15	5.65	5.59	5.97	5.42	6.04	9.29
6	16.47	14.33	12.17	6.32	5.59	5.99	5.75	5.61	5.93	5.48	5.78	6.91
7	16.50	13.57	10.57	6.34	5.48	5.95	5.73	5.56	5.88	5.63	5.79	9.55
8	16.63	12.64	9.17	6.01	5.67	5.93	5.67	5.56	5.84	5.73	5.70	10.39
9	15.63	14.51	8.17	5.96	9.05	6.06	5.65	5.51	5.76	5.74	6.23	8.00
10	14.74	16.33	7.54	6.05	8.80	5.96	5.68	5.44	5.87	5.97	6.57	6.57
11	13.72	16.09	7.13	6.28	7.00	7.21	5.96	5.43	5.87	5.69	5.94	5.69
12	12.44	14.87	6.81	6.07	6.45	6.50	5.82	5.44	5.97	5.52	5.51	4.93
13	11.12	13.86	6.71	6.17	6.54	6.01	6.62	5.40	6.37	5.53	5.01	4.67
14	9.88	12.73	6.65	6.28	6.29	5.92	6.33	5.45	6.32	5.52	4.49	4.52
15	8.88	11.67	8.15	6.26	5.97	6.07	5.80	5.57	6.16	5.63	3.92	4.63
16	8.14	12.57	8.54	6.04	5.84	6.20	5.66	5.67	5.97	5.65	3.68	4.71
17	7.58	12.42	9.70	5.94	5.80	5.96	6.31	5.73	5.85	5.67	3.44	4.81
18	7.14	11.59	8.24	5.83	5.76	5.86	5.99	5.81	5.82	5.75	3.04	4.86
19	8.04	14.34	7.24	5.77	5.75	5.75	5.86	5.84	5.76	5.56	3.55	4.39
20	8.07	13.26	6.71	5.73	5.82	5.71	5.83	5.77	5.82	5.53	3.42	4.10
21	11.80	12.02	6.35	5.84	5.81	5.74	5.79	5.72	5.97	5.69	3.35	4.53
22	11.00	13.03	6.18	5.94	5.77	5.77	5.84	5.72	6.14	8.71	3.47	5.04
23	9.44	12.17	6.03	5.85	5.63	5.80	5.84	5.81	5.86	7.30	3.47	5.35
24	14.80	11.13	5.97	5.81	5.65	5.74	5.86	5.93	5.60	6.29	2.67	5.47
25	19.37	10.13	5.94	5.92	5.79	5.77	5.81	5.68	5.58	5.93	3.10	5.58
26	19.47	9.67	5.83	6.07	5.85	5.75	5.70	5.56	5.59	5.63	3.25	5.46
27	18.77	9.11	5.69	7.25	5.92	5.93	5.64	5.52	5.59	5.57	3.78	5.37
28	17.90	8.58	5.63	7.67	6.12	9.44	5.66	5.62	5.58	5.61	4.11	5.18
29	18.79	-----	5.72	6.73	7.57	8.83	5.71	5.70	5.59	5.57	4.54	5.12
30	18.53	-----	10.72	6.26	6.49	7.13	5.65	5.67	5.57	5.62	2.77	5.55
31	17.52	-----	9.78	-----	6.35	-----	5.57	5.64	-----	5.64	-----	5.52

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	13.53	13.21	8.58	6.46	6.21	6.32	5.84	5.63	5.84	5.78	4.53	5.98
MAX	19.47	16.77	16.26	9.10	9.05	9.44	6.62	5.93	6.37	8.71	6.57	12.28
MIN	7.14	8.58	5.63	5.73	5.48	5.71	5.57	5.40	5.57	5.30	2.67	3.18
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 7.29.

HIGHEST STAGE WAS 19.60 AT 8:00 P.M. ON JAN 25.

LOWEST STAGE WAS 2.42 ON DEC 1.



## DAILY STAGE FOR 1990

BAYOU VERMILION AT LONG BRIDGE, LA.

LOCATION. LAT. 30-14-25, LONG. 91-57-49. ON HIGHWAY 94 BRIDGE, EAST OF LAFAYETTE, LA.  
(STA. 6722512C.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1933. DAILY, OCT. 1937 TO DATE.

EXTREMES. HIGHEST, 20.4 FEET ON AUG. 15, 1940. LOWEST, MINUS 1.04 FEET ON DEC. 6, 1954.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	9.66	11.67	6.33	5.43	4.32	5.18	4.64	4.02	3.87	4.00	4.16	3.29
2	9.48	11.43	9.27	5.15	4.27	5.03	4.31	4.08	4.07	4.05	4.37	3.34
3	9.15	11.17	9.37	5.49	4.73	4.92	4.07	4.02	4.17	4.35	4.58	7.97
4	8.65	11.37	9.30	4.99	4.69	4.68	3.93	3.94	4.24	4.37	4.77	7.32
5	9.20	11.16	9.04	4.60	4.10	4.42	3.97	3.84	4.34	4.13	4.65	6.04
6	10.15	10.88	8.65	4.50	3.43	4.26	4.06	3.87	4.32	4.21	4.17	5.01
7	10.56	10.61	8.07	4.01	3.42	4.32	4.06	3.84	4.40	4.36	4.35	7.08
8	10.65	10.27	7.37	3.82	4.01	4.37	4.00	3.96	4.35	4.40	4.16	6.70
9	10.58	10.70	6.61	3.99	6.17	4.45	4.08	3.93	4.23	4.48	5.07	5.61
10	10.39	11.10	5.99	3.97	5.91	4.45	4.13	3.83	4.31	4.13	4.63	4.65
11	10.13	11.17	5.55	4.06	4.97	4.64	4.26	3.94	4.37	3.45	4.02	3.97
12	9.77	11.00	5.17	3.63	4.95	4.63	4.27	4.03	4.66	3.64	4.05	3.77
13	9.26	10.72	4.85	4.01	5.05	4.39	5.18	4.00	4.73	3.64	3.66	3.49
14	8.70	10.36	4.78	4.30	4.82	4.42	4.57	4.00	4.66	3.75	3.58	3.08
15	8.07	9.97	5.66	4.07	4.36	4.61	4.07	4.04	4.65	4.02	3.20	3.18
16	7.34	9.81	6.05	3.81	4.32	4.83	4.06	4.07	4.36	4.05	3.13	3.23
17	6.64	9.56	6.09	3.85	4.25	4.50	4.76	4.17	4.24	4.18	2.96	3.42
18	6.00	9.23	5.24	3.64	3.74	4.31	4.50	4.31	4.27	4.22	2.84	3.84
19	5.77	10.12	4.77	3.61	4.04	4.06	4.32	4.35	4.27	3.69	3.50	3.02
20	5.72	10.03	4.07	4.14	4.29	3.93	4.34	4.23	4.29	4.27	3.34	3.49
21	6.70	9.70	3.75	4.14	4.09	4.02	4.29	4.22	4.34	4.43	3.40	3.77
22	6.72	9.77	3.87	4.07	3.95	4.15	4.34	4.17	4.47	5.66	3.51	4.21
23	6.10	9.52	3.46	3.86	3.65	4.19	4.35	4.20	4.17	5.02	3.39	4.03
24	7.50	9.06	3.56	3.85	3.90	4.11	4.43	4.38	3.76	4.58	2.80	3.04
25	11.54	8.58	3.46	4.17	4.21	4.29	4.24	3.95	4.07	4.08	3.17	2.74
26	11.28	8.07	3.03	4.42	4.28	4.14	4.11	3.73	4.09	3.58	3.34	3.46
27	11.27	7.52	2.57	6.07	4.40	4.11	4.04	3.77	4.04	3.92	3.80	3.87
28	11.20	6.88	2.96	5.44	4.57	5.58	4.13	4.02	4.01	3.94	4.04	3.57
29	12.11	-----	3.42	4.77	5.31	5.70	4.22	4.13	3.95	3.91	3.04	3.70
30	11.97	-----	7.24	4.57	4.94	5.16	4.01	3.95	3.97	4.08	1.85	3.77
31	11.84	-----	6.33	-----	4.94	-----	3.91	3.84	-----	4.06	-----	3.24

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	9.16	10.05	5.67	4.35	4.45	4.53	4.25	4.03	4.26	4.15	3.72	4.22
MAX	12.11	11.67	9.37	6.07	6.17	5.70	5.18	4.38	4.73	5.66	5.07	7.97
MIN	5.72	6.88	2.57	3.61	3.42	3.93	3.91	3.73	3.76	3.45	1.85	2.74
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 5.21.  
 HIGHEST STAGE WAS 12.19 AT 2:30 A.M. ON JAN 29.  
 LOWEST STAGE WAS 1.50 ON NOV 30.

## DAILY STAGE FOR 1990

RUTH CANAL AT RUTH, LA. (WEST)

LOCATION. LAT. 30-14-34, LONG. 91-53-05. ABOUT 250 FEET DOWNSTREAM FROM CONTROL STRUCTURE, 0.45 MILE BELOW JUNCTION WITH BAYOU TECHE. (ST. 6730012C.)

GAGE. STAFF TYPE.

GENERAL INFORMATION. THE LOCATION OF GAGE HAS BEEN CHANGED SEVERAL TIMES DURING PERIOD OF RECORD. ZERO OF GAGE IN 1946 WAS AT M.L.G.

RECORDS AVAILABLE. INTERMITTENTLY, 1945. DAILY, JAN. 1938 TO DEC. 1944 AND JAN. 1946 TO DATE.

EXTREMES. HIGHEST, 18.5 FEET FROM AUG. 14 TO 16, 1940. LOWEST, 0.00 FOOT ON DEC. 4, 1967.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1964 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	8.22	10.08	5.46	4.34	3.98	5.21	4.98	4.80	4.66			
2	8.17	9.96	7.76	4.21	4.00	5.23	4.88	4.77	4.78			
3	7.98	9.74	6.68	4.00	4.21	5.13	4.78	4.75	4.75			
4	7.75	10.00	7.87	4.17	4.22	4.99	4.77	4.68	4.79			
5	7.98	9.80	7.76	4.02	3.90	4.90	4.80	4.61	4.80			
6	8.62	9.62	7.58	4.09	3.67	4.85	4.77	4.63	4.81			
7	8.98	9.48	7.19	3.85	3.62	4.88	4.80	4.62	4.82			6.04
8	9.10	9.20	6.37	3.75	3.76	4.91	4.76	4.64	4.83			5.50
9	9.13	9.40	5.82	3.88	5.41	4.89	4.80	4.63	4.81			4.57
10	9.03	9.75	5.15	3.83	5.00	4.86	4.85	4.64	4.79			3.55
11	8.97	9.78	4.58	3.77	4.33	4.98	4.76	4.67	4.82			
12	8.77	9.70	4.25	3.57	4.40	4.89	4.99	4.67	4.87			
13	8.37	9.41	3.92	3.75	4.47	4.86	5.10	4.71	4.90			
14	7.77	9.22	3.83	3.98	4.20	4.85	4.84	4.67	4.98			
15	7.17	8.97	4.61	3.84	3.92	4.98		4.78	4.97			
16	6.34	7.77	4.70	3.57	3.94	4.96		4.75	4.85			
17	5.60	8.57	5.10	3.67	3.86	4.89		4.77	4.77			
18	5.15	8.28	4.18	3.57	3.52	4.87		4.80	4.82			3.30
19	4.91	8.83	3.66	3.58	3.74	4.77		4.83	4.83			2.71
20	4.74	8.88	2.98	3.82	3.94	4.76		4.77	4.84			3.01
21	5.67	8.71	2.72	3.88	3.87	4.75		4.78	4.85			3.22
22	5.47	8.66	2.83	3.84	4.13	4.78	4.84	4.77	4.87			3.64
23	5.06	8.50	2.56	3.73	3.99	4.78	4.85	4.78	4.75			3.36
24	7.15	8.04	2.60	3.78	4.30	4.75	4.87	4.80	4.64			2.68
25	8.91	7.38	2.50	3.87	4.42	4.79	4.73	4.73	4.77			2.56
26	8.98	7.24	2.13	4.08	4.48	4.63	4.66	4.62	4.78			2.98
27	9.04	6.50	1.67	5.25	4.55	4.77	4.78	4.64	4.77			3.17
28	9.35	5.90	2.02	4.80	4.97	4.88	4.75	4.74	4.76			3.02
29	9.90	-----	2.44	4.13	5.28	5.50	4.79	4.78	4.68			3.17
30	10.18	-----	6.08	4.14	5.09	5.27	4.70	4.67	4.78			3.20
31	10.20	-----	5.34	-----	5.10	-----	4.62	4.68	-----	-----	-----	2.82

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	7.83	8.83	4.59	3.96	4.27	4.92	4.81	4.72	4.80			3.47
MAX	10.20	10.08	7.87	5.25	5.41	5.50	5.10	4.83	4.98			6.04
MIN	4.74	5.90	1.67	3.57	3.52	4.63	4.62	4.61	4.64			2.56
DAYS	31	28	31	30	31	30	24	31	30	0	0	18

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 284  
 THE MEAN STAGE FOR THE YEAR WAS 5.28.  
 HIGHEST STAGE WAS 10.20 ON JAN 31.  
 LOWEST STAGE WAS NOT DETERMINED.

## DAILY STAGE FOR 1990

## VERMILION RIVER AT LAFAYETTE, LA.

LOCATION. LAT. 30-13-00, LONG. 91-59-35. ON SURREY AVENUE BRIDGE. (STA. 6737512C.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U. S. GEOLOGICAL SURVEY SINCE DEC. 1967. ZERO OF GAGE PRIOR TO 1968 WAS AT M.L.G. FROM 1969 TO 1981 GAGE ZERO WAS MINUS 1.53 FEET M.L.G. GAGE ZERO OF PUBLISHED REPORTS FOR 1982 THROUGH 1988 SHOULD BE CORRECTED TO MINUS 2.07 FEET M.L.G.

RECORDS AVAILABLE. FEB. 10, 1961 TO DATE. FOR RECORDS 1941 TO 1960, REFER TO GAGE PIN HOOK BRIDGE (V-A), 2.2 MILES DOWNSTREAM.

EXTREMES. HIGHEST, 15.02 FEET ON MAY 17, 1980. ESTIMATED LOWEST, 0.6 FOOT ON NOV. 3, 1966.

## MEAN DAILY STAGE IN FEET

GAGE ZERO, MINUS 2.07 FEET, M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	9.53	11.16	7.71	6.41	5.41	6.01	5.47	5.13	4.91	5.03	5.12	4.19
2	9.38	11.11	9.28	6.05	5.46	6.03	5.19	5.14	5.14	5.10	5.39	4.29
3	9.23	11.17	8.41	6.08	5.94	5.83	4.89	5.04	5.21	5.56	5.58	7.14
4	9.07	11.34	9.05	5.74	5.79	5.58	4.86	4.92	5.20	5.45	5.79	7.23
5	9.89	11.06	9.02	5.51	5.07	5.27	4.99	4.81	5.19	5.07	5.47	6.46
6	10.27	10.92	8.89	5.52	4.44	5.21	5.02	4.79	5.28	5.21	5.18	5.85
7	10.56	10.75	8.62	4.84	4.71	5.34		4.75	5.35	5.38	5.27	7.33
8	10.53	10.82	8.16	4.90	5.51	5.53		4.82	5.25	5.39	5.16	6.96
9	10.39	11.38	7.53	5.18	6.95	5.35		4.79	5.17	5.51	6.00	6.23
10	10.29	11.47	6.97	5.20	6.41	5.35		4.71	5.29	4.81	5.27	5.47
11	10.14	11.19	6.57	4.95	5.93	5.40		4.86	5.41	4.28	4.84	4.85
12	9.94	10.99	6.24	4.70	6.19	5.37		4.90	5.81	4.62	4.93	4.84
13	10.83	10.83	5.95	5.20	6.10	5.29	5.36	4.97	5.80	4.57	4.52	4.48
14	9.22	10.62	6.00	5.43	5.84	5.39	4.46	5.07	5.72	4.80	4.46	4.12
15	8.73	10.42	6.44	4.96	5.49	5.70	3.92	5.14	5.61	5.02	4.28	4.19
16	8.10	10.21	6.63	4.86	5.48	5.70	4.26	5.17	5.32	5.03	4.20	4.24
17	7.50	9.91	6.72	4.92	5.20	5.38	4.32	5.30	5.22	5.19	3.94	4.49
18	6.88	9.95	6.18	4.62	4.80	5.17	3.92	5.42	5.26	5.06	3.98	4.79
19	6.61	10.62	5.65	4.69	5.11	4.90	3.61	5.33	5.26	4.57	4.42	4.16
20	6.52	10.30	4.89	5.22	5.30	4.92	3.41	5.16	5.23	5.24	4.29	4.58
21	6.89	10.12	4.69	5.21	5.14	5.03		5.11	5.33	5.76	4.49	4.96
22	6.90	10.16	4.90	5.06	4.91	5.17		5.11	5.33	6.26	4.80	5.33
23	6.58	9.90	4.53	4.97	4.71	5.12		5.35	4.95	5.72	4.43	4.87
24	8.32	9.55	4.63	5.15	5.07	5.04	5.36	5.20		5.42	4.01	3.74
25	10.73	9.17	4.58	5.56	5.27	5.22	5.12	4.74	4.92	4.85	4.21	3.84
26	10.15	8.77	4.13	5.83	5.34	5.01	4.94	4.54	5.02	4.52	4.49	4.54
27	10.16	8.30	3.88	7.01	5.45	5.15	4.98	4.73	4.98	4.82	5.10	4.88
28	10.27	7.78	4.58	6.24	5.79	5.97	5.10	5.06	4.98	4.83	5.09	4.57
29	11.45	-----	5.13	5.81	5.93	6.11	5.16	5.13	4.94	4.86	3.93	4.74
30	11.22	-----	7.84	5.65	5.86	5.88	4.93	4.88	5.00	5.01	3.16	4.76
31	11.18	-----	7.00	-----	5.94	-----	4.97	4.81	-----	4.98	-----	4.10

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	9.22	10.36	6.48	5.38	5.50	5.41	4.74	5.00	5.24	5.09	4.73	5.04
MAX	11.45	11.47	9.28	7.01	6.95	6.11	5.47	5.42	5.81	6.26	6.00	7.33
MIN	6.52	7.78	3.88	4.62	4.44	4.90	3.41	4.54	4.91	4.28	3.16	3.74
DAYS	30	28	31	30	31	30	22	31	29	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 354  
 THE MEAN STAGE FOR THE YEAR WAS 6.01.  
 HIGHEST STAGE WAS 11.65 AT 8:30 P.M. ON JAN 29.  
 LOWEST STAGE WAS 2.86 ON NOV 30.

## DAILY STAGE FOR 1990

## VERMILION RIVER AT BROUSSARD BRIDGE (LA.)

LOCATION. LAT. 30-08-30, LONG. 92-04-34. ON DOWNSTREAM SIDE OF HIGHWAY 733 BRIDGE, SOUTHWEST OF LAFAYETTE, LA. (STA. 6745012C.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. MAR. 17, 1948 TO DATE.

EXTREMES. HIGHEST, 16.33 FEET ON MAY 17, 1980. LOWEST, MINUS 1.70 FEET ON DEC. 6, 1954.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	6.00	6.55	4.12	3.55	3.25	3.65	3.38	3.20	2.79	3.32	3.45	3.52
2	5.15	6.64	6.83	3.34	3.52	4.49	3.27	3.15	3.30	3.37	3.92	3.32
3	5.08	6.48	4.85	3.19	4.49	4.02	2.60	2.80	3.13	4.20	4.09	5.97
4	5.04	7.80	4.70	3.00	4.00	3.65	2.69	2.56	3.10	3.84	4.53	4.26
5	7.44	6.23	4.83	3.32	2.90	2.85	3.00	2.27	2.92	3.08	3.57	3.39
6	7.67	6.39	4.96	3.92	2.50	3.20	2.87	2.20	2.32	3.64	3.67	3.81
7	8.02	6.27	4.97	2.17	2.99	3.30	2.60	2.39	3.36	3.93	3.79	5.50
8	6.82	6.35	4.87	3.15	3.55	3.20	2.23	2.43	3.23	3.84	3.36	3.66
9	6.07	9.44	4.43	3.45	5.33	3.05	2.73	2.42	3.26	4.17	4.88	3.37
10	5.81	9.03	4.24	3.10	3.65	3.00	2.75	2.80 F	3.41	2.04	2.39	2.90
11	5.62	6.77	4.34	2.52	3.22	2.80	2.64	3.04	3.76	1.44	2.49	2.53
12	5.47	6.22	3.92	2.04	4.27	2.75	2.75	3.38 F	4.21	2.79	3.14	3.35
13	5.11	6.18	4.02	2.77	4.04	2.70	3.62	3.38 F	4.07	2.47	2.37	2.85
14	5.19	6.04	3.92	3.13	3.85	2.95	2.37	3.57 F	3.52	3.00	2.80	2.63
15	4.85	6.16	4.57	2.45	3.32	3.07	2.49	3.56 F	3.25	3.29	3.22	2.74
16	4.39	6.07	3.57	2.48	3.52	3.49	3.47	3.34 F	3.11	3.27	3.15	2.93
17	4.19	5.38	3.78	2.67	3.15	3.43	3.75	3.45	3.10	3.57	2.90	3.17
18	3.75	5.30	3.27	2.26	2.50	3.30	3.66	3.43	3.16	3.07	3.07	3.75
19	3.57	8.13	3.13	2.57	3.32	2.84	3.37	3.13	3.19	2.33	3.60	2.66
20	3.70	6.10	2.22	3.78	4.00	3.04	3.30	2.75	3.20	3.82	3.44	3.51
21	3.55	5.90	2.54	3.73	3.83	2.96	3.10	2.80	3.42	3.86	3.72	3.69
22	3.37	6.70	3.34	3.37	3.10	3.05	3.14	2.85	3.36	4.07	3.78	3.73
23	3.47	5.65	2.79	3.37	2.35	2.60	2.89	2.86	2.83	3.46	3.48	2.96
24	4.13	5.13	3.20	3.42	2.93	2.40	3.04	2.86	2.21	3.49	3.06	0.72
25	9.04	4.92	3.30	3.75	2.99	2.75	2.60	2.45	3.38	2.46	3.30	1.89
26	6.74	4.96	2.67	3.87	2.93	2.45	2.58	2.39	3.51	2.57	3.54	2.86
27	5.93	4.73	2.03	5.40	3.13	2.43	2.84	3.03	3.40	3.22	3.99	3.45
28	5.89	4.44	2.93	3.50	3.45	2.95	3.21	3.47	3.45	3.10	3.89	2.89
29	9.85	-----	3.04	3.09	3.37	3.40	3.40	3.48	3.27	3.12	2.57	3.41
30	6.96	-----	6.30	3.34	3.64	3.65	3.07	2.92	3.43	3.14	1.97	3.30
31	6.46	-----	4.13	-----	3.86	-----	3.31	2.63	-----	3.15	-----	2.15

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	5.62	6.28	3.93	3.19	3.45	3.11	2.99	2.94	3.25	3.23	3.37	3.25
MAX	9.85	9.44	6.83	5.40	5.33	4.49	3.75	3.57	4.21	4.20	4.88	5.97
MIN	3.37	4.44	2.03	2.04	2.35	2.40	2.23	2.20	2.21	1.44	1.97	0.72
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 3.70.

HIGHEST STAGE WAS 10.22 AT 11:30 P.M. ON FEB 8.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 0.67 ON DEC 24.

## DAILY STAGE FOR 1990

VERMILION RIVER AT PERRY, LA.

LOCATION. LAT. 29-57-05, LONG. 92-09-28. ON STATE HIGHWAY 82 BRIDGE. (STA. 6783013.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U.S. GEOLOGICAL SURVEY. PRIOR TO NOV. 30, 1976 GAGE WAS MAINTAINED BY U.S. ARMY CORPS OF ENGINEERS, NEW ORLEANS DISTRICT. GAGE ZERO PRIOR TO 1976 WAS M.L.G., FROM 1976 THROUGH 1978 N.G.V.D. AND FROM 1979 THROUGH 1981 MINUS 2.95 FEET N.G.V.D. GAGE ZERO OF PUBLISHED REPORTS FOR 1982 THROUGH 1988 SHOULD BE CORRECTED TO MINUS 3.34 FEET N.G.V.D.

RECORDS AVAILABLE. NOV. 1971 TO DATE. FOR RECORDS FROM JUNE 1931 TO MAY 1971, REFER TO STATION NEAR ABBEVILLE, LA.

EXTREMES. (FROM 1971 TO DATE) HIGHEST, 12.05 ON MAY 17, 1980. LOWEST, MINUS 1.64 FEET ON JAN. 27, 1976.

## MEAN DAILY STAGE IN FEET

## GAGE ZERO, MINUS 3.34 FEET, NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	5.01	5.62	5.20	5.11	5.21	5.49	4.58	4.71	4.60	4.81	4.95	4.98
2	4.53	5.81	5.99	4.78	5.69	5.88	4.40	4.58	4.92	5.03	5.31	4.72
3	4.72	5.72	4.64	4.22	6.40	5.29	4.07	4.42	4.96	5.85	5.53	5.93
4	4.81	5.89	4.83	4.42	5.67	4.86	4.31	4.27	4.78	5.25	5.77	3.59
5	5.66	4.37	5.05	4.71	4.35	4.45	4.50	4.20	4.61	4.58	4.34	3.18
6	5.73	5.43	5.48	4.82	4.09	4.78	4.47	4.25	5.04	5.02	4.78	1.65
7	5.95	5.12	5.64	3.63	4.97	5.04	4.39	4.38	4.97	5.21	4.80	1.58
8	5.12	5.80	5.69	4.86	5.85	5.03	4.12	4.34	4.65	5.18	4.92	1.03
9	4.95	8.22	5.39	5.16	6.35	5.06	4.63	4.25	4.68	5.29	5.50	1.12
10	4.62	7.19	5.41	4.92	4.73	4.99	4.70	4.32	4.87	2.49	3.26	1.05
11	4.49	5.55	5.72	4.02	5.38	4.74	4.65	4.58	5.08	3.30	4.16	1.02
12	4.31	4.97	5.67	4.44	6.42	4.59	4.75	4.53	5.58	3.97	4.38	1.59
13	4.14	5.39	5.54	5.17	5.99	4.78	4.43	4.78	5.34	4.02	3.94	1.38
14	4.77	5.40	6.13	4.97	5.63	4.81	3.73	4.85	5.11	4.57	4.43	1.38
15	4.53	6.00	5.49	4.20	5.44	4.93	4.11	4.92	4.87	4.67	4.77	1.39
16	4.58	5.59	4.83	4.57	5.60	4.94	5.03	4.96	4.69	4.70	4.65	1.50
17	4.76	4.40	4.37	4.63	4.88	4.76	5.16	5.18	4.81	5.03	4.30	1.61
18	4.55	5.00	4.64	4.12	4.69	4.42	5.03	5.26	4.91	4.17	4.78	1.78
19	4.78	6.74	4.28	4.60	5.30	4.13	4.92	4.97	4.94	4.13	4.97	1.55
20	4.47	5.30	3.59	5.38	5.44	4.46	4.96	4.78	4.89	5.21	4.86	1.78
21	3.72	5.72	4.29	5.17	5.04	4.63	4.97	4.67	5.04	5.32	5.19	1.96
22	3.88	6.33	4.79	4.73	4.52	4.83	5.00	4.73	4.67	4.59	5.25	1.94
23	4.35	4.88	4.40	4.86	4.52	4.52	4.82	4.62	3.86	4.47	4.68	1.52
24	4.75	4.27	4.71	5.33	5.07	4.65	4.71	4.06	3.99	4.53	4.73	0.51
25	6.17	4.51	4.60	5.83	5.18	4.81	4.34	3.74	4.53	3.50	4.93	1.02
26	4.77	5.07	4.02	6.20	5.25	4.30	4.17	3.68	4.60	3.92	5.26	1.37
27	5.24	5.11	4.09	6.02	5.37	4.34	4.55	4.32	4.47	4.41	5.82	1.57
28	5.28	5.05	4.98	4.95	5.30	4.58	4.73	4.76	4.59	4.25	5.21	1.46
29	6.65	-----	5.37	5.26	5.16	5.02	4.61	4.54	4.51	4.58	3.66	1.64
30	5.79	-----	6.54	5.33	5.71	4.91	4.30	4.03	4.76	4.66	3.99	1.68
31	5.30	-----	5.27	-----	5.74	-----	4.59	4.22	-----	4.57	-----	1.26

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	4.92	5.52	5.05	4.88	5.32	4.80	4.57	4.51	4.78	4.56	4.77	1.93
MAX	6.65	8.22	6.54	6.20	6.42	5.88	5.16	5.26	5.58	5.85	5.82	5.93
MIN	3.72	4.27	3.59	3.63	4.09	4.13	3.73	3.68	3.86	2.49	3.26	0.51
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 4.62.  
 HIGHEST STAGE WAS 8.65 AT 8:00 A.M. ON FEB 9.  
 LOWEST STAGE WAS 0.33 ON DEC 24.

## DAILY STAGE FOR 1990

VERMILION RIVER NEAR BANCKER, LA.

LOCATION. LAT. 29-50-21, LONG. 92-07-36. ON RIGHT BANK, THREE MILES SOUTH OF BANCKER, LA.  
(STA. 6787513.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. FEB. 6, 1963 TO DATE.

EXTREMES. HIGHEST, 6.72 FEET (CAUSED BY HURRICANE) ON AUG. 15, 1985. ESTIMATED LOWEST, MINUS  
2.20 FEET ON NOV. 2, 1966.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.74	2.45		1.89	2.35	3.23	2.64	3.05	2.62	3.06	2.48	2.75
2	2.00	2.46		1.88	3.10	4.16	2.61	3.09	2.86	2.99	2.86	2.48
3	1.74	2.19		1.33	4.15	3.30	2.21	2.76	2.78	3.87	3.15	3.82
4	1.70	1.55		1.50	3.15	3.25	2.52	2.50	2.71	3.34	3.60	0.80
5	1.20	0.76		2.15	1.84		2.65	2.14	2.25	2.48	1.80	2.77
6	1.55	2.17		2.90	1.92		2.65	2.00	3.03	3.02	3.12	3.03
7	1.56	1.73		1.02	2.98 F	2.59	2.35	2.20	3.07	3.43	2.90	3.33
8	1.25	2.38		2.82	3.54	3.14	1.84	1.90	2.73	3.48	3.05	1.27
9	1.84	3.12		3.19	4.41	2.94	2.18	2.13	2.83	3.73	4.21	1.56
10	1.55	2.78		3.00	2.39	2.70	2.22	2.22	3.22	0.07	0.41 F	1.20
11	1.50	2.02		1.94	3.10	2.25	2.20	2.59	3.47	1.48	1.45	1.30
12	1.70			1.70	4.14	2.12	2.49	2.60	3.72	2.48	1.88	2.27
13	1.43			2.60	3.15	2.45	1.94 F	3.00	3.60	1.94	1.22	1.77
14	2.34			2.53	2.87	2.50	0.95		3.32	2.59 F	1.78	1.63
15	1.99			1.03	2.81	2.64	1.85		3.02	2.54	2.38	1.82
16	2.03			1.73	3.14	2.84	2.95		2.83	2.60	2.22	2.00
17	1.88			2.02	2.14	2.70	3.35		2.93	2.94	2.00	2.31
18	1.51			1.09	1.90	2.50	3.21		2.95	2.06	2.77	2.56
19	1.77			1.54	2.76	2.27	3.29		3.02	2.00	2.95	2.25
20	1.49			2.79	3.38	2.95	3.11		2.94	3.10	2.80	2.98
21	0.50			2.75	3.20	2.95	2.99		3.13	3.09	3.35	3.39
22	0.68			2.42	2.90	2.95	2.95		2.55	2.40	3.40	2.73
23	1.29	F	1.48	2.82	2.47	2.26	2.60		1.64	2.69	2.82	1.65
24	1.45		2.35	2.92	3.10	1.95	2.45		1.84	2.59	2.93	-0.45
25	1.75		2.70	3.15	3.05	2.20	2.15		2.74	1.65	2.73	1.43
26	1.10		2.15	3.34	2.97	1.65	1.93		2.84 F	1.30	2.85	1.84
27	2.22		1.89	3.55	3.00	1.75	2.60		2.70	2.34	3.50	2.10
28	2.34		2.80	2.30	2.91	1.95	2.81		2.86	2.10	2.72	1.59
29	2.11	-----	2.70	2.85	2.30	2.45	2.75		2.88	2.14	1.35	2.13
30	2.65	-----	3.02	2.62	3.05	2.97	2.39 F	2.00	3.05	2.10	1.57	2.13
31	1.82	-----	1.93	-----	3.03	-----	2.89	2.33	-----	2.10	-----	1.35

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.67	2.15	2.34	2.31	2.94	2.63	2.51	2.43	2.87	2.51	2.54	2.06
MAX	2.65	3.12	3.02	3.55	4.41	4.16	3.35	3.09	3.72	3.87	4.21	3.82
MIN	0.50	0.76	1.48	1.02	1.84	1.65	0.95	1.90	1.64	0.07	0.41	-0.45
DAYS	31	11	9	30	31	28	31	15	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 308

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 2.43.

HIGHEST STAGE WAS 4.64 AT 5:00 P.M. ON MAY 12.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS MINUS 2.04 ON DEC 24.

## DAILY STAGE FOR 1990

BAYOU NEZPIQUE NEAR BASILE, LA.

LOCATION. LAT. 30-28-50, LONG. 92-37-55. ON U. S. HIGHWAY 190 BRIDGE, TWO MILES WEST OF BASILE, LA.  
(STA. 7007516.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U. S. GEOLOGICAL SURVEY. DRAINAGE AREA, 527  
SQUARE MILES.RECORDS AVAILABLE. STAGE, OCT. 1938 TO DATE. DAILY DISCHARGE IS COMPUTED AND PUBLISHED BY  
U. S. GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 34.39 FEET ON MAY 20, 1953. LOWEST, 0.98 FOOT ON OCT. 18, 1987.

## MEAN DAILY STAGE IN FEET

GAGE ZERO, 3.39 FEET, NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	14.12	21.76	16.56	12.22	4.55	4.65	4.17	4.06	1.67	2.34	1.81	2.78
2	11.71	21.11	17.25	10.84	4.17	5.95	4.77	4.18	1.67	2.22	1.68	2.43
3	8.53	20.42	18.54	10.62	3.79	5.46	4.27	4.44	1.61	2.34	1.56	2.42
4	13.51	19.73	18.38	9.91	3.59	4.80	4.10	4.45	1.53	2.35	1.50	2.87
5	19.07	19.13	17.26	7.79	3.60	4.44	4.10	4.27	1.71	2.34	1.49	4.21
6	20.81	18.12	15.22	7.01	3.67	4.07	3.88	3.92	1.72	2.42	1.43	3.83
7	21.37	16.31	11.97	8.24	3.27	3.73	4.01	3.78	1.74	2.47	1.55	3.70
8	21.59	13.70	8.79	7.98	3.65	3.44	4.17	4.30	1.83	2.38	1.68	6.57
9	21.33	15.29	6.73	6.47	14.89	3.19	3.80	4.14	1.78	2.27	1.76	7.46
10	20.80	17.56	5.64	5.88	18.16	2.98	3.80	3.53	1.69	2.07	2.47	6.41
11	20.13	18.35	5.04	5.66	18.72	2.89	3.86	3.08	1.65	1.88	3.86	5.25
12	19.30	18.07	4.84	5.44	17.93	2.86	3.77	2.81	1.62	1.73	3.43	4.16
13	18.18	17.10	4.94	5.68	15.68	2.73	3.96	2.55	1.80	1.65	2.84	3.46
14	16.28	15.36	5.27	5.91	11.74	2.66	4.33	2.54	2.02	1.83	2.63	3.01
15	12.67	12.35	6.84	8.42	7.88	2.55	4.49	2.50	2.06	2.14	2.35	2.66
16	8.94	13.49	11.88	9.12	5.64	2.56	4.31	2.44	2.05	2.30	2.14	2.42
17	6.50	16.49	14.34	7.63	4.58	2.67	4.27	2.31	1.98	2.23	2.02	2.28
18	5.28	16.75	14.47	7.94	4.16	2.68	4.93	2.14	1.94	2.05	1.90	2.17
19	6.96	16.90	12.96	7.73	4.13	2.58	5.26	1.98	1.88	1.85	1.76	2.04
20	10.92	17.67	10.30	6.19	4.00	2.48	5.34	1.86	1.80	1.69	1.66	2.01
21	15.75	17.70	7.62	5.24	3.76	2.46	5.25	1.75	1.76	1.62	1.60	2.09
22	17.65	18.80	6.19	4.83	3.57	2.45	5.42	1.65	1.92	3.29	1.56	2.41
23	17.73	20.48	5.47	4.48	3.43	2.48	5.08	1.62	2.05	7.43	1.56	4.93
24	17.96	20.60	5.03	4.35	3.56	2.45	4.79	1.86	1.88	6.88	1.51	13.09
25	20.84	20.20	5.20	4.31	3.57	2.34	5.67	1.92	1.73	5.30	1.47	15.35
26	22.90	19.50	5.24	4.13	3.40	2.25	6.21	1.83	2.47	3.85	1.45	15.07
27	23.44	18.61	5.09	4.51	3.30	2.17	5.25	1.73	3.07	2.86	1.43	13.69
28	23.18	17.58	4.80	5.74	3.37	2.21	4.55	1.71	2.75	2.33	1.50	12.19
29	23.02	-----	4.66	5.83	4.54	2.41	4.26	1.68	2.50	2.03	1.74	11.22
30	22.95	-----	7.47	5.14	4.99	3.44	3.81	1.65	2.38	1.84	2.83	9.87
31	22.42	-----	11.91	-----	4.48	-----	3.63	1.61	-----	1.83	-----	8.35

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	16.96	17.83	9.55	6.84	6.44	3.13	4.50	2.72	1.94	2.64	1.94	5.82
MAX	23.44	21.76	18.54	12.22	18.72	5.95	6.21	4.45	3.07	7.43	3.86	15.35
MIN	5.28	12.35	4.66	4.13	3.27	2.17	3.63	1.61	1.53	1.62	1.43	2.01
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 6.64.  
 HIGHEST STAGE WAS 23.49 AT 5:00 A.M. ON JAN 27.  
 LOWEST STAGE WAS 1.42 ON NOV 6 AND LATER DATE(S).

## DAILY STAGE FOR 1990

BAYOU DES CANNES NEAR EUNICE, LA.

LOCATION. LAT. 30-29-00, LONG. 92-29-25. ON U. S. HIGHWAY 190 BRIDGE, FOUR MILES WEST OF EUNICE, LA.  
(STA. 7015016.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U. S. GEOLOGICAL SURVEY. DRAINAGE AREA, 131  
SQUARE MILES.RECORDS AVAILABLE. STAGE, OCT. 1938 TO DATE. DAILY DISCHARGE IS COMPUTED AND PUBLISHED BY  
U. S. GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 22.36 FEET ON MAY 20, 1953. LOWEST, NOT DETERMINED.

## MEAN DAILY STAGE IN FEET

GAGE ZERO, 14.84 FEET, NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	13.11	5.87	6.87	5.06	3.22	12.62	2.82	3.07			1.45	1.94
2	6.99	4.64	16.64	6.06	3.05	8.51	2.64	2.66			1.45	1.83
3	4.51	7.51	16.42	8.83	3.00	4.28	2.52	2.89			1.45	3.93
4	12.04	14.33	11.26	5.24	2.95	3.48	5.02	2.81			1.45	4.54
5	17.17	9.18	5.08	4.08	3.52	3.10	3.43	2.75			1.58	2.84
6	17.67	4.70	3.87	6.20	3.18	2.87	2.99	3.00	1.80		1.52	2.18
7	17.41	3.88	3.45	7.07	2.56	2.65	3.00	3.46		1.85	1.45	8.01
8	16.36	5.90	3.22	4.61	3.50	2.50	2.86	3.57		1.83	1.46	9.13
9	12.86	15.11	2.98	4.05	15.20	2.62	2.65	2.83			4.47	4.42
10	7.85	14.54	2.85	4.13	16.15	2.40	2.13	2.32	2.74	2.00	4.84	2.95
11	5.26	12.45	2.81	4.05	12.71	3.94	2.04	2.10	4.82	1.95	2.74	2.33
12	4.37	6.28	2.87	3.83	7.13	3.26	2.69	2.15	3.30	1.71	2.04	2.01
13	3.60	4.22	3.46	4.80	4.82	2.56	2.86	2.40	2.94	1.60	1.76	1.90
14	3.07	3.72	3.41	4.84	3.95	2.31	2.79	2.48	2.76	1.57	1.56	1.89
15	2.91	7.43	5.03	7.12	4.28	2.19	2.58	2.65	4.13	1.60	1.55	1.94
16	2.82	14.08	5.14	5.32	3.46	2.22	2.41	2.34	2.72	1.62	1.60	1.86
17	2.87	15.25	6.34	5.11	3.46	2.21	3.74	2.23	2.17	1.59	1.58	1.82
18	4.00	10.39	4.05	4.61	3.77	2.08	5.08	2.07	2.04	1.56	1.54	1.88
19	8.73	13.66	3.14	3.34	3.04	2.14	4.48	1.99	1.92	1.50	1.52	1.87
20	8.66	10.32	2.81	2.72	2.65	2.07	4.27	1.94	2.72	1.47	1.53	1.77
21	14.78	7.78	2.62	3.06	2.67	2.03	5.49	1.96	4.19	1.86	1.53	1.77
22	12.38	16.82	2.72	3.31	2.62	2.02	4.33	2.30	2.48	7.29	1.54	2.34
23	6.03	16.95	2.86	3.67	2.47	2.02	3.34	2.20	3.48	4.59	1.66	10.63
24	13.50	13.25	3.00	3.75	2.32	2.01	7.32	2.22	2.45	2.74	1.63	8.67
25	18.49	6.23	3.24	3.20	2.40	1.98	7.05	2.53	1.95	2.11	1.87	4.08
26	18.77	4.13	2.88	3.62	2.22	1.97	5.52	2.55	1.83	1.86	1.75	2.92
27	18.39	3.45	2.79	4.23	2.18	2.00	4.02	2.17		1.74	1.64	2.88
28	16.41	3.17	3.15	5.21	3.24	2.89	3.56	1.91		1.61	1.54	6.69
29	15.88	-----	4.30	4.11	4.26	2.63	3.07	1.79		1.57	1.50	5.38
30	15.52	-----	11.91	3.33	3.67	2.72	2.76			1.43	2.00	3.85
31	10.87	-----	9.05	-----	3.89	-----	2.89		-----	1.40	-----	3.09

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	10.75	9.12	5.17	4.62	4.44	3.08	3.62	2.46	2.80	2.09	2.04	3.66
MAX	18.77	16.95	16.64	8.83	16.15	12.62	7.32	3.57	4.82	7.29	4.84	10.63
MIN	2.82	3.17	2.62	2.72	2.18	1.97	2.04	1.79	1.80	1.46	1.45	1.77
DAYS	31	28	31	30	31	30	31	29	18	24	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 344  
 THE MEAN STAGE FOR THE YEAR WAS 4.58.  
 HIGHEST STAGE WAS 18.80 AT 6:00 A.M. ON JAN 26.  
 LOWEST STAGE WAS NOT DETERMINED.



## DAILY STAGE FOR 1990

BAYOU PLAQUEMINE BRULE AT ESTERWOOD, LA.

LOCATION. LAT. 30-11-52, LONG. 92-27-48. ON INTAKE PIPE SUPPORT AT ESTERWOOD PUMPING PLANT.  
(STA. 7030016.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. AUG. 24, 1947 TO DATE.

EXTREMES. HIGHEST 20.55 FEET (FROM WATERMARK) IN AUG. 1940. LOWEST, MINUS 2.1 FEET ON JULY 13, 1951 AND (FROM INCOMPLETE RECORD) ON MAY 31, 1978.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	7.0	7.1	4.4	3.9	3.8	3.5		3.1	2.8			2.7
2	6.5	6.6	6.7	3.9	3.6	3.5		3.1	2.9			2.9
3	5.1	6.0	7.0	3.7	3.8	3.6	2.7	3.1	2.8			3.8
4	4.2	6.2	6.9	3.7		3.6	2.9	3.0	2.8			4.0
5	5.0	5.6	5.4	3.5		3.4	2.9	2.9	2.8			3.6
6	5.9	5.0	4.7	3.7		3.3	2.9	3.0	2.8			3.1
7	7.0	4.9	4.5	3.4		3.3	2.8	2.9	2.8			3.4
8	7.3	4.5	4.5	3.5		3.3	2.8	2.9	2.8			3.4
9	7.1	5.8	4.3	3.4		3.2	2.9	3.0	2.9			3.3
10	6.0	6.4	4.1	3.3		3.3	2.8	2.9	3.0			3.3
11	5.4	6.3	4.2	3.5		3.3	2.8	2.9	2.9			3.2
12	4.9	5.2	4.3	3.2		3.2	3.0	2.9	3.0			3.2
13	4.4	4.8	4.4	3.3		3.2	3.0	2.9	3.1			3.2
14	4.2	4.6	4.4	3.5		3.2	2.9	2.8	3.4			3.2
15	4.0	4.5	4.5	3.4		3.2	2.9	2.8	3.3			3.1
16	3.8	5.6	4.3	3.4	4.5	3.1	2.9	2.9	3.1			3.0
17	3.8	5.5	4.3	3.3	4.2	3.1	3.0	2.9	3.3			3.2
18	3.7	4.3	4.1	3.1	4.0	3.2	3.0	2.8	3.1			3.3
19	3.8	5.6	3.9	3.3	4.0	3.0	3.0	2.8	3.3			3.0
20	4.0	5.4	3.8	3.5	4.0	2.9	2.9	2.7	3.4			3.0
21	5.0	4.6	3.7	3.4	3.9		3.0	2.7	3.4			3.1
22	5.0	7.0	3.6	3.4	3.8		3.0	2.8	3.4			3.1
23	3.8	7.1	3.5	3.3	3.5		3.1	2.8	3.3			3.0
24	4.8	6.6	3.5	3.3	3.4		3.1	2.9	3.1			2.4
25	9.1	5.2	3.4	3.3	3.4		3.0	2.8	3.2			2.9
26	10.4	5.0	3.2	3.5	3.4		3.0	2.8	3.2			2.9
27	10.6	4.8	3.1	3.6	3.5		3.1	2.8	3.0			3.0
28	10.2	4.5	3.0	3.7	3.4		2.9	2.9	3.0			3.0
29	10.1	-----	3.0	3.9	3.5		3.1	2.9	3.0		2.6	3.2
30	9.8	-----	4.5	3.8	3.4		3.1	2.8	3.0		2.7	3.3
31	9.1	-----	4.2	-----	3.3	-----	3.0	2.9	-----		-----	2.8

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	6.2	5.5	4.3	3.5	3.7	3.3	2.9	2.9	3.1		2.7	3.1
MAX	10.6	7.1	7.0	3.9	4.5	3.6	3.1	3.1	3.4		2.7	4.0
MIN	3.7	4.3	3.0	3.1	3.3	2.9	2.7	2.7	2.8		2.6	2.4
DAYS	31	28	31	30	19	20	29	31	30	0	2	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 282

THE MEAN STAGE FOR THE YEAR WAS 3.9.

HIGHEST STAGE WAS 10.6 ON JAN 27.

LOWEST STAGE (FROM INCOMPLETE RECORDS) WAS 2.4 ON DEC 24.

## DAILY STAGE FOR 1990

MERMENTAU RIVER AT MERMENTAU, LA.

LOCATION. LAT. 30-11-21, LONG. 92-35-26. ON U. S. HIGHWAY 90 BRIDGE. (STA. 7037516.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U.S. GEOLOGICAL SURVEY SINCE JAN. 1985. STAGES FROM JAN. 1 THRU FEB. 17, 1974 WERE OBTAINED FROM THE NATIONAL WEATHER SERVICE, FEB. 17, 1974 THRU DEC. 31, 1984 FROM THE U.S. ARMY CORPS OF ENGINEERS. PRIOR TO 1985 GAGE WAS AT M.L.G. FROM 1985 TO 1987 GAGE ZERO WAS 0.58 FEET N.G.V.D. (1952 ADJ.)

RECORDS AVAILABLE. AUG. 28, 1941 TO DATE.

EXTREMES. HIGHEST, 14.3 FEET (FROM WATERMARK) IN AUG. 1940. LOWEST, MINUS 0.70 FOOT ON JULY 13, 1951. EXTREMES HAVE BEEN ADJUSTED TO PRESENT DATUM.

## MEAN DAILY STAGE IN FEET

GAGE ZERO IS AT MINUS 0.54 FOOT, NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.69	5.18	2.80	2.19	2.06	1.98	1.22	1.48	1.21	1.39	1.08	1.34
2	2.68	4.52	3.18	2.16	2.10	2.09	1.19	1.52	1.24	1.45	1.13	1.33
3	2.52	4.07	3.28	2.02	2.20	2.02	1.11	1.51	1.23	1.58	1.19	1.55
4	2.39	3.84	3.31	2.04	2.11	1.90	1.19	1.49	1.20	1.46	1.25	1.35
5	2.48	3.43	3.17	2.07	1.76	1.84	1.27	1.41	1.23	1.41	0.96	1.56
6	2.84	3.18	2.93	1.98	1.66	1.84	1.27	1.34	1.26	1.46	1.05	1.59
7	3.36	2.19	2.85	1.70	1.74	1.81	1.27	1.29	1.27	1.48	1.00	1.54
8	3.82	2.98	2.81	1.81	1.93	1.76	1.20	1.30	1.26	1.47	1.06	1.60
9	4.00	3.33	2.62	1.91	2.99	1.69	1.29	1.32	1.24	1.33	1.36	1.64
10	3.76	3.53	2.56	1.96	3.05		1.29	1.32	1.26	0.83	1.30	1.63
11	3.37	3.44	2.61	1.72	2.85		1.28	1.31	1.36	1.08	1.37	1.63
12	2.96	3.23	2.59	1.74	3.07		1.28	1.33	1.52	1.14	1.36	1.66
13	2.61	3.08	2.75	1.84	2.98	1.66	1.20	1.31	1.64	1.20	1.33	1.62
14	2.48	2.98	2.84	1.84	2.84	1.62	1.18	1.29	1.73	1.27	1.33	1.57
15	2.35	3.09	2.70	1.76	2.78	1.56	1.18	1.28	1.75	1.27	1.34	1.57
16	2.19	3.08	2.41	1.80	2.79	1.57	1.29	1.26	1.76	1.26	1.32	1.54
17	2.14	2.81	2.39	1.77	2.52	1.55	1.39	1.24	1.77	1.31	1.21	1.67
18	2.00	2.62	2.33	1.55	2.38	1.46	1.36	1.25	1.78	1.06	1.29	1.53
19	2.06	2.92	2.17	1.68	2.45	1.39	1.37	1.24	1.79	1.16	1.33	1.47
20	2.04	2.93	2.02	1.62	2.46	1.39	1.42	1.22	1.77	1.26	1.34	1.58
21	2.10	2.98	1.99	1.77	2.38	1.38	1.47	1.18	1.80	1.30	1.37	1.73
22	2.12	3.80	2.00	1.69	2.09	1.37	1.50	1.21	1.71	1.17	1.34	1.50
23	2.04	3.85	1.89	1.69	1.96	1.30	1.48	1.25	1.44		1.27	1.16
24	2.78	3.68	1.87	1.79	1.99	1.31	1.54	1.26	1.46		1.35	0.93
25	4.38	3.36	1.76	1.86	1.99	1.33	1.53	1.24	1.49		1.39	1.25
26	5.15	3.17	1.61	1.96	1.97	1.29	1.50	1.16	1.50	1.07	1.51	1.35
27	5.59	2.99	1.57	2.03	1.95	1.23	1.50	1.19	1.48	1.08	1.65	1.54
28	5.84	2.81	1.76	2.00	1.85	1.28	1.50	1.21	1.41	1.06	1.41	1.55
29	6.36	-----	1.89	2.15	1.88	1.29	1.52	1.23	1.41	1.05	1.03	1.63
30	6.27	-----	2.24	2.07	1.99	1.28	1.49	1.18	1.39	1.07	1.26	1.61
31	5.81	-----	2.19	-----	2.00	-----	1.48	1.18	-----	1.08	-----	1.30

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	3.33	3.32	2.42	1.87	2.28	1.56	1.35	1.29	1.48	1.24	1.27	1.50
MAX	6.36	5.18	3.31	2.19	3.07	2.09	1.54	1.52	1.80	1.58	1.65	1.73
MIN	2.00	2.19	1.57	1.55	1.66	1.23	1.11	1.16	1.20	0.83	0.96	0.93
DAYS	31	28	31	30	31	27	31	31	30	28	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 359

THE MEAN STAGE FOR THE YEAR WAS 1.91.

HIGHEST STAGE WAS 6.45 AT 10:45 A.M. ON JAN 29.

LOWEST STAGE WAS 0.76 ON OCT 10.

## DAILY STAGE FOR 1990

MERMENTAU RIVER AT LAKE ARTHUR, LA.

LOCATION. LAT. 30-04-18, LONG. 92-38-55. ON SOUTHWEST SIDE OF CITCO OIL CO. WHARF, 1.1 MILES UPSTREAM FROM HIGHWAY 14 BRIDGE. (STA. 7052516.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U.S. GEOLOGICAL SURVEY SINCE JAN. 1985. PRIOR TO 1985 GAGE READ AND MAINTAINED BY U.S. ARMY CORPS OF ENGINEERS. PRIOR TO 1985 GAGE ZERO WAS AT M.L.G.

RECORDS AVAILABLE. INTERMITTENTLY, 1952 TO 1955. DAILY, MAR. 30, 1956 TO DATE.

EXTREMES. HIGHEST, 8.5 FEET ON MAY 20, 1980. LOWEST, 0.83 FOOT ON JUNE 17, 1963. EXTREMES HAVE BEEN ADJUSTED TO PRESENT DATUM.

## MEAN DAILY STAGE IN FEET

GAGE ZERO, MINUS 1.78 FEET, NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3.52	5.33	3.85	3.37	3.26	3.20	2.44	2.71	2.44	2.63		
2	3.53	5.03	4.00	3.32	3.32	3.29	2.41	2.73	2.48	2.68		
3	3.50	4.80	4.08	3.20	3.39	3.21	2.34	2.74	2.46	2.81		
4	3.44	4.54	4.11	3.22	3.30	3.09	2.42	2.71	2.43	2.70		
5	3.44	4.31	4.06	3.26	2.96	3.03	2.49	2.63	2.47	2.64		
6	3.60	4.19	3.97	3.13	2.87	3.05	2.50	2.58	2.49	2.70		
7	3.89	4.03	3.96	2.90	2.94	3.03	2.50	2.53	2.51	2.71		
8	4.18	4.05	3.93	3.01	3.11	2.97	2.43	2.54	2.49			
9	4.35	4.32	3.79	3.10	3.91	2.90	2.51	2.56	2.48			
10	4.26	4.38	3.75	3.15	3.94	2.86	2.52	2.55	2.51			
11	4.09	4.32	3.80	2.91	3.93	2.84	2.51	2.54	2.60			
12	3.80	4.22	3.76	2.95	4.18	2.83	2.50	2.55	2.75			
13	3.61	4.15	3.92	3.05	4.04	2.87	2.43	2.54	2.87			
14	3.55	4.09	4.04	3.03	3.95	2.83	2.40	2.52	2.96			
15	3.44	4.17	3.82	2.95	3.93	2.78	2.41	2.51	2.98			
16	3.33	4.03	3.59	2.99	3.96	2.78	2.52	2.49	2.99			
17	3.31	3.79	3.56	2.96	3.70	2.77	2.61	2.48	3.00			
18	3.18	3.69	3.51	2.76	3.59	2.68	2.59	2.48	3.01			
19	3.23	3.81	3.34	2.89	3.65	2.61	2.59	2.47	3.02			
20	3.16	3.87	3.21	3.01	3.65	2.61	2.64	2.45	3.00			
21	3.14	4.01	3.18	2.97	3.57	2.60	2.69	2.42	3.03			
22	3.17	4.51	3.19	2.89	3.29	2.60	2.72	2.44	2.95			
23	3.15	4.46	3.10	2.90	3.17	2.52	2.70	2.48	2.70			
24	3.62	4.37	3.07	2.99	3.21	2.54	2.76	2.49	2.70			
25	4.35	4.21	2.97	3.07	3.20	2.56	2.76	2.46	2.73			
26	4.77	4.12	2.83	3.16	3.18	2.51	2.72	2.39	2.73			
27	5.05	4.00	2.79	3.24	3.16	2.46	2.72	2.42	2.71			
28	5.24	3.88	2.96	3.19	3.07	2.50	2.72	2.45	2.65			
29	5.61	-----	3.10	3.33	3.10	2.52	2.73	2.46	2.65			
30	5.67	-----	3.38	3.27	3.20	2.51	2.71	2.41	2.63			
31	5.52	-----	3.36	-----	3.20	-----	2.70	2.41	-----			

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	3.93	4.24	3.55	3.07	3.45	2.78	2.57	2.52	2.71	2.70		
MAX	5.67	5.33	4.11	3.37	4.18	3.29	2.76	2.74	3.03	2.81		
MIN	3.14	3.69	2.79	2.76	2.87	2.46	2.34	2.39	2.43	2.63		
DAYS	31	28	31	30	31	30	31	31	30	7	0	0

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 280  
 THE MEAN STAGE FOR THE YEAR WAS 3.18.  
 HIGHEST STAGE WAS 5.69 AT 12:45 A.M. ON JAN 30.  
 LOWEST STAGE WAS NOT DETERMINED.

## DAILY STAGE FOR 1990

## MERMENTAU RIVER AT LACASSINE REFUGE (LA.)

LOCATION. LAT. 30-00-09, LONG. 92-46-52. ON DOCK AT LACASSINE WILDLIFE REFUGE HEADQUARTERS.  
(STA. 7060016.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JUNE 25, 1947 TO DATE. ADD 0.6 TO DAILY STAGES PRIOR TO 1951.

EXTREMES. HIGHEST, 6.50 FEET (CAUSED BY HURRICANE) ON NOV. 04, 1985. LOWEST, (FROM INCOMPLETE RECORD) MINUS 0.47 FOOT ON JUNE 10, AND LATER DATES IN 1951.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3.36	4.78			3.33	3.23	2.66	2.77	2.51			2.69
2	3.39	4.71		3.41	3.35	3.27	2.66	2.78	2.52		2.65	2.68
3	3.46	4.68			3.38	3.24	2.67	2.77	2.53		2.74	2.69
4	3.48	4.69			3.37	3.16	2.66	2.78	2.50		2.76	2.57
5	3.43	4.68		3.27	3.15	3.15	2.65	2.70	2.45	2.77	2.48	2.81
6	3.47	4.68		3.29	2.99		2.52	2.70	2.52	2.79	2.59	2.93
7	3.54	4.68		3.04	2.99	3.07	2.53	2.61	2.50	2.80	2.59	2.85
8	3.70	4.67		3.08	3.04	3.05	2.49	2.65	2.55	2.79	2.57	2.86
9	3.90	4.67		3.20	3.70	2.99	2.53	2.63	2.52	2.78	2.64	2.90
10	3.90	4.67		3.23	3.80	2.93	2.56	2.61	2.54	2.44	2.59	2.94
11	3.86	4.69		3.01	3.85	2.91	2.54	2.59	2.55	2.47	2.68	2.94
12	3.71	4.77		3.03	4.12	2.87	2.52	2.59		2.74	2.71	2.98
13	3.67	4.75		3.07	4.00	2.89	2.52	2.58		2.77	2.64	2.95
14	3.67	4.22		3.11	3.96	2.91	2.42	2.56		2.79	2.66	2.90
15	3.66				3.98	2.85	2.47	2.57		2.80	2.69	2.90
16	3.64			3.03	4.00	2.85	2.53	2.52		2.79	2.71	2.87
17	3.36			3.05	3.82	2.84	2.74	2.52		2.78	2.60	2.95
18	3.29			2.91	3.69	2.83	2.75	2.52		2.44	2.65	2.59
19	3.30			2.94	3.72	2.58	2.61	2.50		2.47	2.65	2.80
20	3.24			3.09	3.70	2.67	2.71	2.48		2.57	2.69	2.87
21	3.16			3.05	3.67	2.67	2.68	2.45		2.62	2.72	2.99
22	3.19			2.97	3.66	2.66	2.72	2.46		2.50	2.70	2.83
23	3.21			2.96	3.66	2.65	2.74	2.50			2.58	2.61
24	3.34			3.03		2.64	2.78	2.52			2.64	2.20
25	3.59			3.15		2.66	2.79	2.48			2.72	2.54
26	3.94			3.24		2.65	2.79	2.44			2.76	2.69
27	4.19			3.36	3.22	2.66	2.80	2.43			2.91	2.88
28	4.35			3.21	3.17	2.81	2.80	2.49			2.77	2.82
29	4.46	-----		3.30	3.19	2.66	2.79	2.46			2.49	2.91
30	4.68	-----		3.32	3.22	2.66	2.77	2.39			2.57	2.96
31	4.73	-----	-----	-----	3.32	-----	2.74	2.44	-----	-----	-----	2.71

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	3.67	4.67		3.13	3.54	2.86	2.65	2.56	2.52	2.67	2.66	2.80
MAX	4.73	4.78		3.41	4.12	3.27	2.80	2.78	2.55	2.80	2.91	2.99
MIN	3.16	4.22		2.91	2.99	2.58	2.42	2.39	2.45	2.44	2.48	2.20
DAYS	31	14	0	26	28	29	31	31	11	18	29	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 279

THE MEAN STAGE FOR THE YEAR WAS 3.03.

HIGHEST STAGE WAS 5.09 AT 9:00 A.M. ON FEB 1.

LOWEST STAGE WAS 2.10 ON DEC 24.

BLANK PAGE

## DAILY STAGE FOR 1990

## MERMENTAU RIVER AT CATFISH POINT CONTROL STRUCTURE (LA.) (NORTH)

LOCATION. LAT. 29-51-48, LONG. 92-51-00. ON LOCK WALL AT NORTHWEST END OF STRUCTURE. (STA. 7067517.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. APR. 27, 1951 TO DATE.

EXTREMES. HIGHEST, 8.3 FEET (CAUSED BY HURRICANE) ON JUNE 27, 1957. LOWEST, MINUS 0.80 FOOT ON DEC. 26, 1975.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G. (1951 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3.00	4.20	3.55	3.19	2.90	2.93	2.25	2.52	2.20	2.40	2.19	2.50
2	3.08	4.20	3.52	3.00	2.93	2.91	2.21	2.50	2.30	2.49	2.24	2.35
3	3.15	4.10	3.48	3.10	3.00	2.88	2.12	2.49	2.10	2.48	2.38	2.30
4	3.10	3.90	3.49	2.99	2.90	2.90	2.20	2.49	2.18	2.45	2.30	2.48
5	3.15	4.05	3.50	2.95	2.92	2.71	2.38	2.44	2.12	2.60	2.20	2.70
6	3.20	3.90	3.60	3.01	2.80	2.80	2.29	2.44	2.22	2.54	2.24	2.70
7	3.15	3.75	3.62	3.12	2.80	2.72	2.30	2.60	2.20	2.50	2.25	2.79
8	3.30	3.70	3.58	3.02	2.86	2.68	2.30	2.52	2.18	2.50	2.28	2.62
9	3.35	3.85	3.54	3.05	3.37	2.62	2.40	2.41	2.20	2.50	1.85	2.61
10	3.45	3.85	3.54	2.93	3.50	2.64	2.35	2.39	2.25	2.35	2.11	2.61
11	3.40	3.82	3.60	3.05	3.67	2.60	2.33	2.35	2.04	2.27	2.21	2.59
12	3.45	3.80	3.56	2.91	3.69	2.62	2.30	2.31	2.45	2.10	2.20	2.55
13	3.50	3.78	3.67	2.80	3.70	2.60	2.30	2.30	2.62	2.10	2.12	2.50
14	3.42	3.75	3.71	2.73	3.60	2.60	2.10	2.36	2.62	2.12	2.20	2.47
15	3.21	3.74	3.67	2.67	3.60	2.52	2.30	2.32	2.72	2.10	2.25	2.48
16	3.18	3.75	3.68	2.60	3.50	2.40	2.42	2.30	2.76	2.19	2.17	2.51
17	3.15	3.74	3.30	2.65	3.42	2.50	2.55	2.29	2.78	2.20		2.55
18	3.00	3.60	3.28	2.70	3.40	2.50	2.48	2.25	2.82	2.35		2.40
19	3.05	3.60	3.20	2.50	3.28	2.40	2.40	2.25	2.81	2.27	2.20	2.59
20	3.00	3.68	3.12	2.70	3.27	2.40	2.43	2.20	2.80	2.24	2.40	2.58
21	2.99	3.78	3.00	2.67	3.20	2.38	2.42	2.25	2.75	2.20	2.47	2.64
22	2.90	3.73	2.97	2.70	3.26	2.35	2.42	2.22	2.78	2.20	2.39	2.60
23	2.90	3.66	2.93	2.70	3.19	2.22	2.40	2.25	2.73	2.19	2.38	2.49
24	2.80	3.69	2.90	2.70	3.07	2.37	2.55	2.25	2.80	2.30	2.40	2.10
25	3.05	3.80	2.99	2.80	2.98	2.35	2.53	2.21	2.60	2.26	2.43	2.24
26	3.30	3.80	2.89	2.90	2.95	2.24	2.57	2.20	2.55	2.20	2.40	2.40
27	3.52	3.78	2.82	3.00	2.92	2.30	2.55	2.15	2.50	2.22	2.53	2.40
28	3.75	3.68	2.78	3.00	2.94	2.34	2.54	2.20	2.50	2.15	2.72	2.32
29	3.89	-----	2.90	2.89	3.09	2.40	2.52	2.12	2.49	2.22	2.68	2.40
30	4.02	-----	3.15	2.97	3.09	2.30	2.55	2.10	2.44	2.15	2.41	2.42
31	4.15	-----	3.24	-----	2.94	-----	2.50	2.13	-----	2.20	-----	2.69

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	3.28	3.81	3.32	2.87	3.19	2.54	2.39	2.32	2.48	2.29	2.31	2.50
MAX	4.15	4.20	3.71	3.19	3.70	2.93	2.57	2.60	2.82	2.60	2.72	2.79
MIN	2.80	3.60	2.78	2.50	2.80	2.22	2.10	2.10	2.04	2.10	1.85	2.10
DAYS	31	28	31	30	31	30	31	31	30	31	28	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 363

THE MEAN STAGE FOR THE YEAR WAS 2.77.

HIGHEST STAGE WAS 4.38 AT 8:40 P.M. ON FEB 1.

LOWEST STAGE WAS 1.50 ON NOV 9.

## DAILY STAGE FOR 1990

MERMENTAU RIVER AT CATFISH POINT CONTROL STRUCTURE (LA.) (SOUTH AUTO.)

LOCATION. LAT. 29-51-46, LONG. 92-51-01. ON LOCKWALL AT SOUTHWEST END OF STRUCTURE.  
(STA. 7075017.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JUNE 15, 1949 TO DATE. SUBTRACT 0.2 FROM DAILY STAGES PRIOR TO 1951.

EXTREMES. HIGHEST, 8.3 FEET (CAUSED BY HURRICANE) ON JUNE 27, 1957. LOWEST, MINUS 1.70 FEET ON  
DEC. 23, 1989.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G. (1951 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3.00	3.85	3.60	3.10	2.63	3.69	2.64	3.13	3.32	3.10	2.14	2.39
2	3.00	3.75	3.50	2.80	2.74	3.91	2.90	3.21	2.97	2.88	2.49	2.19
3	3.10	3.85	3.46	3.05	3.17	3.43	2.48	3.40	3.50	3.78	2.91	3.60
4	3.10	3.80	3.42	2.95	2.87	3.20	3.00	3.03	3.24	2.84	3.19	2.13
5	3.10	3.77	3.41	2.92	2.72	3.21	3.23	3.19	2.46	2.58	1.98	2.58
6	3.09	3.65	3.51	3.01	2.69	3.39	3.25	3.10	3.18	3.17	3.01	2.70
7	3.09	3.58	3.58	3.10	3.10	3.67	3.40	3.09	3.23	3.48	2.88	2.61
8	3.16	3.59	3.52	3.10	3.88	3.55	2.30	3.02	2.90	3.30	3.29	2.56
9	3.25	3.78	3.49	3.40	4.20	3.60	2.34	3.00	3.00	3.58	3.49	2.50
10	3.33	3.72	3.45	3.54	3.37	3.50	3.01	3.17	3.30	2.32	2.17	2.48
11	3.30	3.72	3.52	2.98	4.00	3.01	3.11	3.20	3.65	2.55	2.28	2.44
12	3.38	3.60	3.51	3.23	4.21	3.21	3.09	3.13	3.55	2.71	2.20	2.30
13	3.39	3.67	4.33	3.19	3.70	3.00	2.67	3.40	3.66	2.41	2.03	2.19
14	3.30	3.62	3.99	3.07	3.58	2.70	2.55	3.10	3.30	2.49	2.00	2.14
15	3.14	3.69	3.53	2.72	3.56	2.90	2.40	3.50	2.92	2.40	2.33	2.17
16	3.10	3.51	3.52	2.52	3.47	3.03	2.65	3.27	2.85	2.40	2.01	2.22
17	3.08	3.52	3.24	2.50	3.36	2.54	3.06	3.61	2.91	2.71	2.20	2.40
18	3.00	3.45	3.18	2.42	3.29	2.46	3.32	3.95	2.79	2.07	2.28	2.40
19	2.90	3.42	3.10	2.26	3.23	2.73	3.48	3.59	3.02	2.48	2.78	2.42
20	2.98	3.52	2.99	2.53	3.22	2.99	3.42	3.50	3.09	3.08	2.45	2.51
21	3.00	3.60	2.87	2.63	3.15	3.49	3.74	3.40	3.40	3.05	2.70	3.12
22	2.75	3.53	2.85	2.60	3.19	3.40	3.73	3.20	2.79	2.80	3.02	2.63
23	2.88	3.38	2.81	3.35	3.16	3.17	3.42	3.18	2.76	2.90	2.80	2.43
24	2.95	3.55	2.79	3.78	3.82	3.51	3.37	2.74	2.95	3.10	3.00	1.89
25	2.62	3.61	2.84	4.00	3.95	2.37	3.10	2.52	2.76	2.30	2.92	2.13
26	3.17	3.62	2.80	3.90	3.73	2.28	3.00	2.38	2.99	2.60	2.75	2.20
27	2.88	3.63	2.82	4.00	3.60	2.21	2.90	2.60	2.72	2.59	2.84	2.37
28	2.60	3.62	3.64	3.00	3.20	2.27	2.83	3.10	2.93	2.27	2.54	2.27
29	3.70	-----	3.70	3.50	2.83	2.32	2.89	3.09	2.92	2.18	2.43	2.22
30	3.50	-----	3.89	3.01	3.20	3.05	2.75	2.83	2.90	2.13	2.21	2.29
31	3.84	-----	3.65	-----	2.99	-----	3.10	2.80	-----	2.02	-----	2.45

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	3.12	3.63	3.37	3.07	3.35	3.06	3.00	3.14	3.07	2.72	2.58	2.42
MAX	3.84	3.85	4.33	4.00	4.21	3.91	3.74	3.95	3.66	3.78	3.49	3.60
MIN	2.60	3.38	2.79	2.26	2.63	2.21	2.30	2.38	2.46	2.02	1.98	1.89
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 3.04.  
 HIGHEST STAGE WAS 4.49 AT 11:00 A.M. ON MAR 13.  
 LOWEST STAGE WAS 0.70 ON NOV 5.

## DAILY STAGE FOR 1990

MERMENTAU RIVER AT CATFISH POINT CONTROL STRUCTURE (LA.) (SOUTH STAFF)

LOCATION. LAT. 29-51-46, LONG. 92-51-01. ON BOATHOUSE AT NORTHWEST END OF STRUCTURE.  
(STA. 7082517.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. APR. 27, 1951 TO DATE.

EXTREMES. HIGHEST, 8.30 FEET (FROM HIGHWATER MARK) ON JUN. 27, 1957. LOWEST, MINUS 1.70 FEET ON  
DEC. 23, 1989.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G. (1951 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3.00	4.00	3.55	2.80	2.65	3.20	2.70	3.20	3.25	3.20	2.40	2.70
2	3.00	4.00	3.40	2.75	2.70	4.10	3.00	3.45	3.45	3.25	2.80	2.30
3	3.05	3.90	3.40	2.90	3.20	3.50	2.85	3.45	3.55	3.90	3.20	3.60
4	2.95	3.75	3.40	2.85	3.10	3.45	3.15	3.20	3.30	3.90	3.60	2.30
5	3.00	3.75	3.45	2.80	2.80	3.80	3.10	3.10	3.10	2.90	2.20	2.85
6	3.05	3.80	3.50	3.00	2.60	3.70	3.25	3.00	3.40	3.55	3.30	3.05
7	3.10	3.60	3.55	3.00	3.20	3.75	3.25	3.10	3.50	3.50	3.00	2.60
8	3.15	3.60	3.50	2.95	3.85	3.75	2.30	2.90	3.05	3.75	3.30	2.55
9	3.25	3.80	3.50	3.60	4.30	4.80	2.35	2.90	3.00	4.00	4.10	2.45
10	3.35	3.75	3.50	3.50	3.40	3.45	3.00	3.00	2.80	2.30	2.20	2.50
11	3.30	3.75	3.50	2.95	3.60	2.85	3.00	3.10	3.65	2.90	2.20	2.45
12	3.35	3.65	3.55	2.95	4.20	2.65	2.80	3.05	3.60	3.10	2.20	2.35
13	3.40	3.65	4.20	3.10	3.60	2.75	2.50	3.20	3.80	2.40	2.05	2.20
14	3.35	3.60	3.90	3.10	3.50	2.55	2.30	3.25	3.55	2.70	2.00	2.20
15	3.15	3.70	3.60	2.55	3.50	2.60	2.35	3.55	3.10	2.70	2.30	2.20
16	3.05	3.50	3.50	2.45	3.40	3.00	2.75	3.65	3.20	2.55	2.30	2.25
17	3.05	3.55	3.25	2.50	3.35	2.80	3.30	3.85	3.20	3.30	2.25	2.45
18	2.95	3.40	3.20	2.45	3.30	2.70	3.50	3.90	3.20	2.65	2.60	2.55
19	2.90	3.45	3.10	2.30	3.25	2.95	3.60	3.70	3.45	2.85	2.95	2.55
20	2.90	3.50	3.00	2.60	3.25	3.45	3.60	3.50	3.45	3.35	2.80	3.00
21	2.80	3.55	2.90	2.65	3.45	3.55	3.65	3.25	3.50	3.35	3.30	3.10
22	2.70	3.60	2.85	2.60	3.20	3.55	3.65	3.30	3.20	2.80	3.30	2.70
23	2.85	3.35	2.85	3.35	3.55	3.15	3.25	3.25	2.75	2.90	3.30	2.40
24	2.75	3.55	2.80	3.70	3.90	3.30	3.05	2.75	3.10	3.20	3.20	1.90
25	2.80	3.65	2.90	3.75	3.85	2.40	2.90	2.55	2.80	2.70	2.75	2.15
26	3.20	3.70	2.85	3.75	3.80	2.25	2.80	2.40	3.00	2.80	2.65	2.25
27	3.40	3.70	2.75	3.45	3.20	2.20	2.85	2.75	2.80	2.70	3.00	2.35
28	3.60	3.60	3.50	2.85	3.20	2.20	2.85	2.90	3.10	2.25	2.60	2.30
29	3.70	-----	3.40	2.90	2.85	2.30	2.80	3.25	2.85	2.20	2.40	2.30
30	3.90	-----	3.50	2.70	3.10	3.05	2.85	2.95	3.30	2.20	2.40	2.35
31	4.00	-----	3.20	-----	3.00	-----	3.00	2.50	-----	2.20	-----	2.45

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	3.16	3.66	3.32	2.96	3.35	3.12	2.95	3.16	3.23	2.97	2.75	2.50
MAX	4.00	4.00	4.20	3.75	4.30	4.80	3.65	3.90	3.80	4.00	4.10	3.60
MIN	2.70	3.35	2.75	2.30	2.60	2.20	2.30	2.40	2.75	2.20	2.00	1.90
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 3.09.  
 HIGHEST STAGE WAS 4.80 ON JUN 9.  
 LOWEST STAGE WAS 1.90 ON DEC 24.



## DAILY STAGE FOR 1990

MERMENTAU RIVER AT GRAND CHENIERE, LA.

LOCATION. LAT. 29-46-08, LONG. 92-59-24. ON HIGHWAY 82 BRIDGE. (STA. 7090017.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. OCT. 15, 1943 TO JULY 12, 1954, AND APR. 13, 1956 TO DATE. DISREGARD GAGE ZERO REPORTED PRIOR TO 1951, PRESENT ZERO IS CORRECT FOR ALL PERIODS.

EXTREMES. HIGHEST, 13.0 FEET (CAUSED BY HURRICANE) ON JUNE 27, 1957. LOWEST, MINUS 2.39 FEET ON FEB. 28, 1984.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G. (1951 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.75	3.32	3.72	3.27	3.25	3.64	3.05	3.10	2.67	2.91	1.89	3.08
2	2.02	3.45	2.79	2.84	3.65	3.35	3.00	2.76	3.19	2.70	1.96	2.54
3	2.65	2.60	2.30	1.93	3.43	3.74	2.58	2.78	3.07	3.22	2.26	0.15
4	2.77	0.95	1.75	1.75	3.15	2.60	2.65	2.77	2.68	2.29	2.74	0.90
5	2.20	0.90	1.50	1.68	2.04	2.84	3.24	2.88	2.07	1.74	0.45	1.25
6	1.44	1.20	1.82	1.92	2.12	3.30	2.80	2.55	2.32	1.95	2.30	1.63
7	0.75	0.74	2.12	1.40	2.90	3.25	3.15	2.59	2.00	2.20	2.43	1.17
8	0.35	1.25	2.44	2.46	3.60	3.28	2.61	2.48	2.00	2.35	3.30	2.10
9	0.23	1.90	2.55	3.05	3.65	3.40	2.73	2.34	2.30	3.10	2.89	2.21
10	-0.04	1.70	3.05	3.11	2.80	3.35	2.98	2.42	2.84	1.70	2.00	2.61
11	0.20	2.00	3.45	2.32	3.60	3.19	2.77	2.47	2.90	2.70	2.58	2.10
12	0.35	1.97	3.75	3.42	4.15	3.47	2.86	2.58	3.75	2.75	2.26	2.15
13	1.60	2.80	4.35	3.87	3.85	3.62	2.48	3.14	3.80	2.72	1.69	1.35
14	1.99	3.15	4.30	3.49	3.75	3.49	2.30	3.33	3.61	2.52	1.66	1.64
15	2.30	3.13	3.42	3.32	4.00	3.43	2.55	3.41	3.05	2.15	1.74	1.49
16	2.57	1.50	3.63	3.29	4.19	3.19	3.17	3.55	2.83	2.11	1.39	1.75
17	2.45	1.65	2.75	3.23	3.67	3.04	3.48	3.64	2.45	2.15	1.11	1.76
18	2.35	2.30	2.44	2.90	3.63	2.90	3.65	3.40	2.36	0.97	1.82	0.70
19	2.15	1.95	2.45	2.49	3.57	2.65	3.34	3.22	2.28	1.72	2.10	1.39
20	1.52	1.80	2.13	2.43	3.53	3.00	3.40	2.85	2.06	2.40	2.16	1.89
21	0.98	2.03	1.87	2.54	3.23	2.90	3.29	2.74	2.25	2.30	2.69	2.25
22	0.55	1.15	1.84	2.20	2.81	3.23	3.17	2.61	1.68	1.52	2.91	1.75
23	0.90	-0.14	1.56	2.55	3.40	2.69	3.16	2.55	1.29	2.25	2.67	1.00
24	0.85	1.15	1.47	3.15	3.57	3.04	2.99	2.04	2.02	2.30	3.02	1.58
25	-1.10	1.59	1.74	3.80	3.72	3.26	3.06	1.90	2.20	1.50	3.08	2.16
26	0.45	2.55	1.55	4.30	4.10	3.10	2.75	1.65	2.44	2.42	3.23	3.23
27	1.40	3.00	2.47	4.30	4.24	3.00	2.80	2.32	2.64	2.62	3.90	3.12
28	2.00	3.62	3.84	3.78	4.22	3.17	2.89	2.77	2.80	2.40	3.20	1.45
29	1.37	-----	4.02	4.36	4.10	2.86	3.01	2.54	2.93	2.57	2.22	1.20
30	2.80	-----	4.21	3.45	4.10	2.95	2.80	2.29	3.05	2.40	3.35	0.67
31	2.98	-----	3.55	-----	4.13	-----	2.93	2.80	-----	1.75	-----	-0.50

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.44	1.97	2.74	2.95	3.56	3.16	2.96	2.73	2.58	2.27	2.37	1.69
MAX	2.98	3.62	4.35	4.36	4.24	3.74	3.65	3.64	3.80	3.22	3.90	3.23
MIN	-1.10	-0.14	1.47	1.40	2.04	2.60	2.30	1.65	1.29	0.97	0.45	-0.50
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 2.54.

HIGHEST STAGE WAS 5.78 AT 1:00 A.M. ON NOV 9.

LOWEST STAGE WAS MINUS 1.13 ON JAN 25.

## DAILY STAGE FOR 1990

CALCASIEU RIVER NEAR OBERLIN, LA.

LOCATION. LAT. 30-38-25, LONG. 92-48-50. ON HIGHWAY 26 BRIDGE, THREE MILES NORTHWEST OF OBERLIN, LA. (STA. 7305016.)

GAGE. AUTOMATIC RECORDER.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U. S. GEOLOGICAL SURVEY. DRAINAGE AREA, 753 SQUARE MILES.

RECORDS AVAILABLE. STAGE, AUG. 1922 TO JAN. 1925, AND SEP. 1938 TO DATE. STAGES ARE PUBLISHED BY CORPS OF ENGINEERS SINCE 1946. DAILY DISCHARGE IS COMPUTED AND PUBLISHED BY U.S. GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 26.53 FEET ON MAY 19, 1953. LOWEST, 1.18 FEET ON OCT. 26, 1988.

## MEAN DAILY STAGE IN FEET

GAGE ZERO, 39.43 FEET, NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.44	16.02	8.21	6.91	3.74	4.32	2.28	2.35	1.92	1.83	1.91	2.28
2	2.44	14.94	9.61	6.78	3.85	4.57	2.25	2.38	1.88	1.81	1.90	2.35
3	2.53	14.09	10.43	6.68	3.98	4.64	2.29	2.24	1.87	1.80	1.87	2.79
4	3.65	13.96	10.23	6.94	4.02	4.70	2.28	2.20	1.92	1.81	1.87	3.68
5	5.70	14.06	9.22	7.26	3.91	5.00	2.27	2.15	1.88	1.85	1.91	4.09
6	7.32	13.63	7.82	7.75	3.72	5.05	2.52	2.12	1.89	1.81	1.93	3.45
7	8.27	12.76	6.95	8.37	3.53	5.32	2.54	2.17	1.89	1.78	1.90	3.20
8	8.74	11.79	6.61	8.75	3.63	5.63	2.45	2.17	1.86	1.76	1.88	3.74
9	8.40	11.57	6.46	8.41	6.35	5.79	2.41	2.18	1.88	1.76	1.99	3.62
10	7.60	11.90	6.30	7.22	7.15	5.68	2.60	2.29	1.89	1.76	2.11	3.36
11	6.94	11.68	6.04	5.97	6.24	5.40	3.10	2.45	1.86	1.77	2.12	3.29
12	6.57	11.06	5.66	5.27	5.46	4.93	3.38	2.60	1.85	1.78	2.14	3.30
13	6.53	10.28	5.23	5.01	5.13	4.15	3.27	2.45	1.86	1.77	2.08	3.23
14	6.61	9.20	4.90	5.20	5.05	3.61	3.04	2.30	1.87	1.76	2.05	3.07
15	6.74	8.63	6.96	5.80	5.02	3.35	2.82	2.21	1.87	1.75	2.09	2.92
16	6.86	9.74	10.24	6.27	4.89	3.15	2.64	2.16	1.86	1.75	2.08	2.79
17	6.83	11.29	12.02	6.21	4.61	3.00	2.55	2.10	1.86	1.75	2.04	2.68
18	6.69	11.88	12.01	6.08	4.23	2.88	2.70	2.06	1.84	1.74	1.99	2.59
19	7.91	11.86	10.62	6.04	3.84	2.79	2.67	2.04	1.86	1.74	1.96	2.52
20	9.20	11.39	9.27	6.12	3.54	2.71	2.53	2.02	1.86	1.73	1.95	2.51
21	10.17	10.53	8.77	6.11	3.33	2.66	2.48	2.02	1.89	1.85	1.93	2.67
22	10.74	12.02	8.81	5.87	3.25	2.62	2.41	2.01	2.23	2.17	1.91	4.12
23	15.86	12.12	8.86	5.48	3.18	2.56	2.36	2.06	2.11	2.35	1.91	6.72
24	19.08	11.77	8.77	5.03	3.10	2.49	2.34	2.08	2.17	2.23	1.90	8.19
25	19.63	10.58	8.44	4.40	3.03	2.45	2.28	2.39	2.27	2.30	1.89	8.25
26	19.11	9.18	7.55	4.07	2.95	2.41	2.32	2.66	2.08	2.25	1.87	7.72
27	18.58	8.27	6.31	3.84	2.91	2.37	2.45	2.51	1.95	2.15	1.86	6.81
28	17.98	8.00	5.28	3.82	3.02	2.36	2.45	2.36	1.87	2.09	2.06	6.43
29	17.84	-----	4.72	3.81	4.16	2.33	2.41	2.17	1.84	2.03	2.48	6.27
30	17.69	-----	5.04	3.75	4.93	2.30	2.41	2.05	1.84	1.97	2.39	5.93
31	16.96	-----	6.27	-----	4.78	-----	2.40	1.97	-----	1.92	-----	5.57

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	10.05	11.58	7.86	5.97	4.21	3.71	2.55	2.22	1.92	1.90	2.00	4.20
MAX	19.63	16.02	12.02	8.75	7.15	5.79	3.38	2.66	2.27	2.35	2.48	8.25
MIN	2.44	8.00	4.72	3.75	2.91	2.30	2.25	1.97	1.84	1.73	1.86	2.28
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 4.81.

HIGHEST STAGE WAS 19.75 AT 7:30 A.M. ON JAN 25.

LOWEST STAGE WAS 1.72 ON OCT 20 AND LATER DATE(S).

## DAILY STAGE FOR 1990

BAYOU SERPENT NEAR FENTON, LA.

LOCATION. LAT. 30-23-15, LONG. 92-54-16. ON U. S. HIGHWAY 165 BRIDGE, 1.7 MILES NORTHEAST OF FENTON, LA. (STA. 7310016.)

GAGE. AUTOMATIC RECORDER AND WIRE-WEIGHT.

RECORDS AVAILABLE. SEP. 26, 1956 TO APR. 16, 1958, OCT. 12 TO 18, 1960, AND JULY 25, 1962 TO DATE.

EXTREMES. HIGHEST, 29.86 FEET ON MAY 17, 1980. LOWEST, 8.07 FEET ON NOV. 6 AND LATER DATES IN 1987.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1970 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	12.20	10.28	8.94	10.01	9.04	9.03	8.76	8.87	8.17	8.18	8.32	8.55
2	10.35	9.83	17.42	9.68	8.92	9.04	8.85	8.90	8.62	8.16	8.22	8.41
3	9.80	9.68	11.79	9.88	8.89	8.95	8.92	9.03	8.56	8.20	8.18	9.00
4	17.20	11.65	9.89	9.32	9.43	8.82	9.11	9.08	8.55	8.30	8.17	9.29
5	22.90	9.64	9.43	9.77	9.49	8.64	18.72	8.97	8.61	8.37	8.48	8.87
6	19.12	9.19	9.16	9.35	9.19	8.45	13.00	11.68	8.83	8.42	8.56	8.67
7	18.65	9.03	8.95	10.47	8.80	8.39	10.92	9.85	8.73	8.72	8.52	8.72
8	17.55	8.99	8.92	10.25	8.78	8.44	10.11	9.43	8.66	8.69	8.43	9.07
9	13.20	22.15	8.95	9.62	22.82	8.60	9.60	9.05	8.55	8.68	9.46	8.86
10	11.30	15.34	8.78	10.02	20.18	8.64	9.57	8.80	8.83	8.59	9.71	8.67
11	10.72	11.32	8.94	10.38	13.70	8.74	9.42	8.65	9.06	8.53	9.15	8.56
12	10.07	9.91	9.17	9.55	10.69	8.56	9.74	8.61	9.42	8.46	8.85	8.47
13	9.71	9.40	10.16	9.67	9.72	8.74	9.73	8.51	9.77	8.41	8.63	8.42
14	9.34	9.17	9.49	9.22	9.45	8.57	9.65	8.81	9.95	8.34	8.51	8.47
15	9.09	9.15	11.36	9.80	9.07	8.69	9.42	8.57	9.51	8.34	8.48	8.46
16	8.99	11.24	10.73	9.42	8.84	8.81	9.03	8.43	9.28	8.35	8.43	8.38
17	8.92	12.30	11.20	9.57	8.80	8.78	9.96	8.44	9.08	8.32	8.39	8.32
18	9.40	9.78	9.48	10.60	8.97	8.83	9.72	8.56	9.05	8.36	8.32	8.33
19	12.28	17.43	9.15	9.76	8.93	8.68	9.51	8.63	8.96	8.33	8.28	8.32
20	10.86	12.10	8.95	9.47	8.82	8.74	9.44	8.77	8.82	8.28	8.27	8.30
21	17.75	9.96	9.13	9.45	8.81	8.70	9.37	8.67	9.08	8.23	8.25	8.28
22	12.04	23.25	9.53	9.63	8.68	8.74	10.25	9.35	8.96	9.21	8.22	8.31
23	10.35	16.55	9.37	9.45	8.77	8.73	9.89	9.05	8.78	9.25	8.40	12.01
24	13.45	10.74	9.18	9.24	8.65	8.81	10.70	8.94	8.65	8.87	8.42	10.99
25	25.02	9.71	9.92	9.32	8.51	8.74	10.09	8.77	8.53	8.67	8.34	9.54
26	23.90	9.26	9.22	9.56	8.42	8.68	9.59	8.61	8.45	8.52	8.30	9.15
27	14.26	9.00	9.24	11.47	8.55	8.82	9.23	8.56	8.39	8.43	8.27	8.96
28	11.16	8.90	9.55	10.78	8.60	8.90	9.22	8.43	8.35	8.19	8.37	11.09
29	20.00	-----	10.60	9.53	8.99	8.66	9.08	8.29	8.28	8.19	8.72	10.14
30	15.14	-----	12.82	9.16	8.86	8.70	8.92	8.28	8.22	8.30	8.71	9.58
31	11.49	-----	11.43	-----	8.79	-----	8.82	8.25	-----	8.28	-----	9.22

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	13.75	11.61	10.03	9.78	9.94	8.72	9.95	8.87	8.82	8.46	8.51	9.01
MAX	25.02	23.25	17.42	11.47	22.82	9.04	18.72	11.68	9.95	9.25	9.71	12.01
MIN	8.92	8.90	8.78	9.16	8.42	8.39	8.76	8.25	8.17	8.16	8.17	8.28
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 9.78.  
 HIGHEST STAGE WAS 25.04 AT 10:00 A.M. ON JAN 25.  
 LOWEST STAGE WAS 8.09 ON AUG 31.

## DAILY STAGE FOR 1990

INDIAN BAYOU NEAR LAKE CHARLES, LA.

LOCATION. LAT. 30-18-10, LONG. 93-14-52. ON HIGHWAY 378 BRIDGE APPROXIMATELY THREE MILES WEST OF MOSS BLUFF, LA. (STA. 7346021.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. FOR RECORDS, 1946 TO 1982, REFER TO GAGE WEST FORK CALCASIEU RIVER NEAR LAKE CHARLES, LA.

RECORDS AVAILABLE. DEC. 15, 1983 TO DATE.

EXTREMES. HIGHEST, 11.07 FEET ON JUL. 2, 1989. LOWEST, MINUS 2.05 FEET ON FEB. 28, 1984.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1968 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.60	2.73	1.98	1.70	1.70	2.27	1.63	1.67	1.59	1.70	1.84	2.00
2	1.39	2.63	0.98	1.84	1.90	2.73	1.67	1.72	1.72	1.83	2.09	1.95
3	1.60	2.10	0.62	1.57	2.60	2.59	1.60	1.63	1.93	2.09	2.32	2.07
4	1.96	0.89	1.32	1.32	2.63	2.39	1.88	1.66	1.92	2.26	2.52	1.65
5	1.92	0.77	1.74	1.50	1.89	1.89	1.80	1.64	1.79	1.85	1.98	1.73
6	1.57	1.88	2.08	2.02	1.50	2.25	1.99	1.88	1.85	1.96	1.95	1.90
7	1.95	1.08	2.35	1.69	1.90	2.22	2.01	1.60	1.91	2.10	2.04	1.46
8	1.84	1.67	2.46	2.03	2.16	2.38	2.04	1.68	1.85	2.07	1.95	1.55
9	1.89	2.45	2.46	2.48	3.51	2.29	1.90	1.74	1.85	2.14	2.54	1.67
10	1.53	1.46	2.37	2.06	2.68	2.20	1.70	1.72	1.83	1.60	1.98	1.70
11	1.94	1.64	2.50	1.31	2.35	2.09	1.88	1.77	2.12	1.43	1.81	1.71
12	1.40	1.74	2.61	1.44	2.89	1.93	1.81	1.70	2.05	1.53	1.94	1.75
13	2.06	1.97	2.66	2.01	2.29	1.87	1.22	1.80	1.19	1.39	1.71	1.85
14	1.67	1.48	2.64	1.98	1.80	1.86	1.41	1.89	2.38	1.52	1.62	1.75
15	1.60	1.90	3.17	1.74	1.82	1.76	1.57	1.95	2.04	1.58	1.82	1.55
16	1.98	1.68	2.36	1.89	2.31	1.90	1.79	1.95	1.80	1.67	1.87	1.56
17	1.82	1.43	1.64	1.44	1.57	1.88	2.03	2.05	1.90	1.86	1.84	1.72
18		1.59	1.18	1.48	1.29	1.72	2.12	2.15	1.87	1.78	1.85	1.81
19	F 1.60	2.24	1.05	1.92	2.07	1.64	2.04	2.18	1.91	1.58	2.07	1.61
20	2.25	1.10	1.15	2.21	2.42	1.64	2.03	2.08	1.95	1.94	2.07	1.88
21	1.92	1.82	1.43	2.25	2.38	1.73	2.01	1.98	2.08	2.10	2.07	1.96
22	2.02	2.70	2.05	2.20	2.13	1.76	2.12	1.90	1.94	2.06	2.11	2.16
23	1.83	1.77	1.43	2.17	1.88	1.64	2.06	1.85	1.59	1.86	1.97	1.51
24	1.92	1.29	1.99	2.23	2.01	1.45	1.87	1.71	1.53	2.08	1.84	1.45
25	2.87	1.68	2.04	2.37	2.17	1.73	1.79	1.49	1.71	1.76	1.94	1.64
26	2.32	2.30	1.28	2.51	2.15	1.72	1.72	1.27	1.80	1.63	1.92	1.84
27	3.31	2.20	1.86	2.55	2.20	1.60	1.62	1.25	1.73	1.76	2.13	2.35
28	3.27	1.97	2.20	1.59	2.17	1.62	1.65	1.59	1.75	1.63	2.18	1.14
29	3.48	-----	2.23	1.98	1.87	1.57	1.75	1.76	1.71	1.55	1.56	2.21
30	3.49	-----	2.64	1.99	2.12	1.85	1.70	1.64	1.69	1.71	1.46	2.08
31	3.09	-----	1.90	-----	2.51	-----	1.70	1.52	-----	1.76	-----	1.39

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.10	1.79	1.95	1.92	2.16	1.94	1.81	1.76	1.87	1.80	1.97	1.76
MAX	3.49	2.73	3.17	2.55	3.51	2.73	2.12	2.18	2.38	2.26	2.54	2.35
MIN	1.39	0.77	0.62	1.31	1.29	1.45	1.22	1.25	1.53	1.39	1.46	1.14
DAYS	30	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 364

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.90.

HIGHEST STAGE WAS 3.67 AT 5:30 P.M. ON MAY 12.

LOWEST STAGE WAS 0.47 ON FEB 5.

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## DAILY STAGE FOR 1990

CALCASIEU RIVER SALT WATER BARRIER CHANNEL AT LAKE CHARLES, LA. (NAV. E.)

LOCATION. LAT. 30-15-13, LONG. 93-13-05. IN NAVIGATION CHANNEL ON EAST SIDE OF STRUCTURE.  
(STA. 7347221.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. FEB. 1968 TO DATE.

EXTREMES. HIGHEST, 9.40 FEET ON JUL. 2 AND 3, 1989. LOWEST, MINUS 0.75 FOOT ON FEB. 3, 1970.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G. (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	G 2.45	3.20	2.70	2.30	2.70	2.95 G	2.45 G	2.45 G	2.40 G	2.70 G	2.50 G	2.90
2	G 2.05	3.20 G	1.60	2.65	2.75 G	3.05 G	2.40 G	2.50 G	2.45 G	2.65 G	2.80	2.70
3	G 2.30	2.80 G	1.35	2.40	3.40 G	3.40 G	2.40 G	2.30 G	2.70 G	2.85 G	3.00 G	3.10
4	G 2.75	1.70 G	2.20	2.35	3.50	3.15	2.60 G	2.40 G	2.75 G	3.05 G	3.25 G	2.50
5	2.30 G	1.45 G	2.60	2.85	2.70 G	2.30 G	2.50 G	2.40 G	2.60 G	2.70	2.70 G	2.55
6	G 2.00	2.90	2.80	3.10 G	2.20 G	2.95 G	2.70 G	2.60 G	2.60 G	2.85 G	2.55 G	2.60
7	2.35	2.20	2.90 G	2.75 G	2.65 G	2.75 G	2.80 G	2.50 G	2.70 G	2.85 G	2.75	2.50
8	2.30	2.80	3.30	2.80 G	3.00 G	2.95 G	2.80 G	2.50 G	2.70 G	2.80 G	2.60 G	2.40
9	2.70	3.40	3.20 G	3.20	3.80	2.75 G	2.70 G	2.50 G	2.60 G	2.95	3.20 G	2.40
10	2.30 G	2.80	3.10 G	2.80	2.80	2.70 G	2.60 G	2.55 G	2.55 G	2.40 G	2.50 G	2.50
11	G 2.70 G	2.20 G	3.30 G	2.10	2.70	2.65 G	2.70 G	2.40 G	2.70 G	2.30 G	2.60 G	2.50
12	2.50 G	2.20 G	3.30 G	2.05	3.50	2.45 G	2.65 G	2.40 G	2.85 G	2.35 G	2.50 G	2.55
13	2.05	2.55 G	3.45 G	2.80	3.00	2.45	2.35 G	2.45 G	2.90 G	2.20 G	2.50 G	2.60
14	2.80 G	2.25	3.20	2.75	2.30 G	2.35 G	2.20 G	2.65	3.20 G	2.30 G	2.40 G	2.55
15	2.20 G	2.60	3.55 G	2.60	2.50 G	2.60 G	2.35 G	2.70 G	2.80 G	2.40 G	2.55 G	2.50
16	2.35	2.40	2.70	2.50	3.05 G	2.65 G	2.55 G	2.70 G	2.45 G	2.45 G	2.70 G	2.40
17	2.20	2.00	2.20 G	2.35	2.40	2.75 G	2.80 G	2.85 G	2.70 G	2.50 G	2.70 G	2.50
18	2.15	2.20	1.80 G	2.40	1.90 G	2.50 G	2.95 G	2.90 G	2.70 G	2.60 G	2.70 G	2.70
19	G 2.45	2.70	1.95 G	2.85	2.90 G	2.50 G	2.85 G	3.00 G	2.70 G	2.40 G	2.80 G	2.40
20	G 2.95 G	2.20 G	1.75	2.90 G	3.20 G	2.40 G	2.80 G	2.90 G	2.65 G	2.75 G	2.90 G	2.70
21	G 2.70	2.80	2.20	3.00 G	3.15 G	2.55 G	2.80 G	2.75 G	2.90 G	2.90 G	2.85 G	2.70
22	G 2.80	3.30	2.80	3.00 G	2.90 G	2.50 G	2.90 G	2.75 G	2.80 G	2.80 G	2.90	2.70
23	G 2.65	2.20	2.30 G	2.95 G	2.60 G	2.50	2.65 G	2.60 G	2.40 G	2.60 G	2.80	2.40
24	G 2.65	2.00	2.80 G	3.10 G	2.70 G	2.30	2.60 G	2.50 G	2.30 G	2.85 G	2.60 G	2.30
25	2.90	2.40	3.10 G	3.30 G	2.95 G	2.50 G	2.60 G	2.45 G	2.50 G	2.55	2.65	2.45
26	2.60	3.00 G	2.80 G	3.30	2.90 G	2.55 G	2.50 G	2.10 G	2.60 G	2.30	2.65	2.50
27	3.80 G	2.90	2.65	3.45	2.90 G	2.30 G	2.50 G	2.05 G	2.55 G	2.45 G	2.95	2.95
28	3.60	2.55 G	3.00	2.35	2.90 G	2.40 G	2.50 G	2.30 G	2.35 G	2.40	2.80 G	2.20
29	3.70	-----	3.05	2.70 G	2.80 G	2.40 G	2.55 G	2.50 G	2.50 G	2.30	2.35	2.80
30	3.80	-----	3.20	2.70	2.90 G	2.55 G	2.50 G	2.40 G	2.45 G	2.45 G	2.25	2.70
31	3.35	-----	2.30	-----	3.20	-----	2.45 G	2.35	-----	2.45	-----	2.30

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.66	2.53	2.68	2.74	2.87	2.63	2.60	2.53	2.64	2.58	2.70	2.57
MAX	3.80	3.40	3.55	3.45	3.80	3.40	2.95	3.00	3.20	3.05	3.25	3.10
MIN	2.00	1.45	1.35	2.05	1.90	2.30	2.20	2.05	2.30	2.20	2.25	2.20
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

G=GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 2.65.

HIGHEST STAGE WAS 3.80 AT 8:00 A.M. ON JAN 7 AND LATER DATE(S).

LOWEST STAGE WAS 1.35 ON MAR 3.

## DAILY STAGE FOR 1990

CALCASIEU RIVER SALT WATER BARRIER CHANNEL AT LAKE CHARLES, LA. (NAV. W.)

LOCATION. LAT. 30-15-13, LONG. 93-13-06. IN NAVIGATION CHANNEL ON WEST SIDE OF STRUCTURE.  
(STA. 7347321.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. FEB. 1968 TO DATE.

EXTREMES. HIGHEST, 9.21 FEET ON JUL. 2, 1989. LOWEST, MINUS 3.00 FEET ON FEB. 28, 1984.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G. (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.37	2.68	2.52	2.10	2.30	2.59	2.49	2.67	2.60	2.70	2.60	2.79
2	1.45	2.70	1.70	2.14	2.60	3.80	2.65	2.74	2.71	2.90	2.86	2.51
3	1.45	2.30	1.38	1.80	3.32	3.42	2.48	2.59	2.80	3.53	3.20	3.20
4	1.80	1.30	1.13	1.98	3.40	3.04	2.31	2.47	2.75	3.32	3.65	1.39
5	1.10	0.39	1.70	2.73	2.21	2.90	2.32	2.45	2.43	2.59	2.05	2.59
6	1.25	2.40	2.22	3.00	2.51	3.09	2.31	2.30	2.71	3.15	3.04	2.80
7	1.35	1.98	2.80	1.73	2.90	3.07	2.42	2.20	2.80	3.38	2.80	2.00
8	1.10	2.70	3.11	2.70	3.22	3.00	2.18 F	2.53	2.49	3.13	2.72	1.42
9	1.90	3.20	2.77	3.20	3.69	2.89	2.00	2.38	2.50	3.50	3.19	1.35
10	1.73	2.60	3.10	3.00	2.56	2.57	2.32	1.99	2.60	1.05	0.80	1.30
11	2.00	2.15	3.33	1.71	2.64	2.05	2.30	2.19	2.90	1.94	1.69	1.08
12	1.70	2.00	3.50	1.85	3.45	1.95	2.15	2.39	2.91	2.47	1.95	1.81
13	1.60	2.55	3.34	2.49	2.83	2.03	1.60	2.80	3.17	2.12	1.30	1.70
14	2.10	2.04	3.30	2.43	2.20	2.00	1.20	2.83	3.09	2.50	1.78	1.58
15	1.85	2.51	3.13	1.37	2.41	2.00	1.75	2.99	3.00	2.50	2.40	1.60
16	1.75	2.10	2.47	1.50	2.60	2.42	2.65	2.95	2.80	2.61	2.27	1.90
17	1.59	1.00	1.99	1.75	2.20	2.67	3.10	3.20	2.80	3.09	2.05	2.35
18	1.32	1.70	1.58	1.39	1.81	2.60 F	2.99	3.30	2.72	2.42	2.70	2.20
19	1.35	1.80	1.70	1.74	2.90	2.59	2.90	3.10	2.83	2.34	3.00	2.44
20	1.50	1.59	0.92	2.41	3.29	2.80	2.85	2.85	2.80	3.20	2.70	2.75
21	0.70	2.43	1.40	2.54	3.25	2.80	2.79	2.59	3.00	3.20	3.20	2.88
22	1.10	2.71	2.38	2.75	2.98	2.73	2.80	2.40	2.59	2.60	3.12	2.25
23	1.20	1.70	1.80	3.03	2.70	2.39	2.35	2.40	2.01	2.60	2.78	1.99
24	2.00	1.82	2.40	3.20	3.00	1.90	2.30	1.90	2.40	2.80	2.81 F	-0.19
25	2.50	2.00	2.80	3.38	2.93	1.85	1.55	1.92	2.56	2.00	2.52	1.42
26	1.79	2.85	2.48	3.30	2.51	1.50	1.60	1.85	2.70	2.30	2.55	1.68
27	3.10	2.88	2.50	3.20	2.40	1.40	1.55	2.32	2.57	2.39	2.99	1.75
28	3.10	2.70	2.99	2.18	2.22	1.50	1.90	2.61	2.69	2.00	2.41	1.69
29	2.87	-----	2.90	2.40	2.13	1.98	2.03	2.79	2.59	2.10	1.35	1.68
30	3.05	-----	3.20	2.34	2.75	2.89	2.00	2.49	2.69	2.28	2.10	2.20
31	2.70	-----	2.23	-----	3.10	-----	2.53	2.35	-----	2.40	-----	1.41

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.79	2.17	2.41	2.38	2.74	2.48	2.27	2.53	2.71	2.62	2.49	1.92
MAX	3.10	3.20	3.50	3.38	3.69	3.80	3.10	3.30	3.17	3.53	3.65	3.20
MIN	0.70	0.39	0.92	1.37	1.81	1.40	1.20	1.85	2.01	1.05	0.80	-0.19
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 2.38.

HIGHEST STAGE WAS 4.52 AT 10:00 P.M. ON MAR 14.

LOWEST STAGE WAS MINUS 0.60 ON DEC 24.

## DAILY STAGE FOR 1990

CALCASIEU RIVER SALT WATER BARRIER CHANNEL AT LAKE CHARLES, LA. (NAV. W.)

LOCATION. LAT. 30-15-13, LONG. 93-13-06. IN NAVIGATION CHANNEL ON WEST SIDE OF STRUCTURE.  
(STA. 7347421.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. FEB. 1968 TO DATE.

EXTREMES. HIGHEST, 9.00 FEET ON JUL. 3, 1989. LOWEST, MINUS 2.30 FEET ON DEC. 23, 1989.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G. (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	G 1.45	2.65	2.55	2.10	2.30	2.60 G	2.50 G	2.65 G	2.60 G	2.70 G	2.50 G	2.90
2	G 1.55	2.70 G	1.30	2.15	2.60 G	3.80 G	2.65 G	2.85 G	2.70 G	2.90 G	2.85	2.60
3	G 1.45	2.30 G	1.00	1.90	3.35 G	3.40 G	2.45 G	1.60 G	2.80 G	3.55 G	3.20 G	3.20
4	G 1.85	1.30 G	1.20	2.00	3.40	3.05	2.35 G	2.40 G	2.75 G	3.30 G	3.65 G	1.40
5	1.10 G	0.40 G	1.70	2.65	2.30 G	2.90 G	2.30 G	2.40 G	2.45 G	3.15	2.05 G	2.60
6	G 1.40	2.40	2.25	3.00 G	2.50 G	3.05 G	2.35 G	2.10 G	2.75 G	3.30 G	3.10 G	2.80
7	1.45	1.95	2.85 G	1.75 G	2.90 G	3.05 G	2.45 G	1.70 G	2.80 G	3.50 G	2.80	1.10
8	1.15	2.65	3.10	2.70 G	3.20 G	2.95 G	2.15 G	1.95 G	2.50 G	3.10 G	2.70 G	1.40
9	2.00	3.30	2.90 G	3.15	3.70	2.75 G	2.00 G	2.10 G	2.50 G	3.50	3.20 G	1.40
10	1.70 G	2.60	3.10 G	3.00	2.60	2.55 G	2.05 G	2.00 G	2.60 G	1.05 G	0.85 G	1.30
11	G 2.05 G	2.10 G	3.35 G	1.70	2.65	2.05 G	1.85 G	2.40 G	2.95 G	1.90 G	1.65 G	1.20
12	1.95 G	2.10 G	3.45 G	1.80	3.40	2.00 G	2.05 G	2.40 G	2.95 G	2.45 G	1.95 G	1.80
13	1.50	2.45 G	3.45 G	2.45	2.90	2.10	1.60 G	2.80 G	3.20 G	2.15 G	1.40 G	1.70
14	2.00 G	2.05	3.25	2.40	2.20 G	2.00 G	1.15 G	2.85	3.10 G	2.55 G	1.75 G	1.55
15	1.85 G	2.50	3.15 G	1.25	2.40 G	1.90 G	1.75 G	3.00 G	3.00 G	2.50 G	2.40 G	1.70
16	1.70	2.10	2.45	1.45	2.60 G	2.40 G	2.65 G	3.00 G	2.80 G	2.70 G	2.20 G	1.90
17	1.60	1.05	1.95 G	1.90	2.10	2.60 G	3.10 G	3.20 G	2.80 G	3.15 G	2.00 G	2.35
18	1.35	1.70	1.55 G	1.40	1.70 G	2.60 G	3.00 G	3.35 G	2.75 G	2.45 G	2.70 G	2.40
19	G 1.35	1.85	1.70 G	1.70	2.90 G	2.65 G	2.90 G	3.05 G	2.80 G	2.40 G	3.00 G	2.45
20	G 1.60 G	1.65 G	0.85	2.60 G	3.35 G	2.80 G	2.75 G	2.85 G	2.70 G	3.20 G	2.80 G	2.75
21	G 0.85	2.60	1.45	2.70 G	3.25 G	2.85 G	2.80 G	2.60 G	2.95 G	3.20 G	3.30 G	2.80
22	G 1.10	2.85	2.35	2.80 G	2.95 G	2.70 G	2.75 G	2.45 G	2.50 G	2.60 G	3.15	2.30
23	G 1.65	1.75	1.80 G	3.00 G	2.70 G	2.40	2.35 G	2.45 G	1.90 G	2.60 G	2.80	2.05
24	G 2.00	1.85	2.40 G	3.25 G	3.05 G	2.05	2.00 G	2.00 G	2.35 G	2.80 G	2.80 G	0.35
25	2.40	2.00	2.75 G	3.30 G	2.95 G	1.85 G	2.05 G	1.85 G	2.55 G	1.95	2.55	1.95
26	1.80	2.85 G	2.55 G	3.30	2.70 G	1.45 G	2.00 G	1.80 G	2.70 G	2.30	2.55	1.65
27	3.25 G	2.85	2.50	3.30	2.70 G	1.30 G	2.00 G	2.25 G	2.55 G	2.50 G	2.95	2.40
28	3.10	2.45 G	2.95	2.15	2.25 G	1.30 G	2.40 G	2.60 G	2.70 G	2.30	2.40 G	1.70
29	2.90	----- G	2.95	2.35 G	2.15 G	1.95 G	2.15 G	2.80 G	2.60 G	2.10	1.35	2.25
30	3.00	-----	3.10	2.35	2.75 G	2.90 G	2.50 G	2.50 G	2.70 G	2.30 G	2.15	2.35
31	2.70	-----	2.05	-----	3.15	----- G	2.50 G	2.35	----- G	2.10	----- G	1.40

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.83	2.18	2.39	2.38	2.76	2.46	2.31	2.46	2.70	2.65	2.49	1.99
MAX	3.25	3.30	3.45	3.30	3.70	3.80	3.10	3.35	3.20	3.55	3.65	3.20
MIN	0.85	0.40	0.85	1.25	1.70	1.30	1.15	1.60	1.90	1.05	0.85	0.35
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

G=GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 2.38.

HIGHEST STAGE WAS 3.80 ON JUN 2.

LOWEST STAGE WAS 0.35 ON DEC 24.



BLANK PAGE

## DAILY STAGE FOR 1990

CALCASIEU RIVER SALT WATER BARRIER CHANNEL AT LAKE CHARLES, LA. (FLDY. E.)

LOCATION. LAT. 30-15-08, LONG. 93-13-05. IN FLOODWAY CHANNEL ON EAST SIDE OF STRUCTURE AT GATE  
NUMBER ONE. (STA. 7347621.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. FEB. 1968 TO DATE.

EXTREMES. HIGHEST, 9.40 FEET ON JUL. 2 AND 3, 1989. LOWEST, MINUS 0.75 FOOT ON FEB. 3, 1970.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G. (1965 ADJ.)

DAY		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	G	2.45	3.20	2.70	2.30	2.70	2.95 G	2.45 G	2.45 G	2.40 G	2.70 G	2.50 G	2.90
2	G	2.05	3.20	1.60	2.65	2.75 G	3.35 G	2.40 G	2.50 G	2.45 G	2.65 G	2.80 G	2.70
3	G	2.30	2.80	1.35	2.40	3.40 G	3.40 G	2.40 G	2.30 G	2.70 G	2.85 G	3.00 G	3.10
4		2.75	1.70	2.20	2.35	3.50 G	3.15 G	2.60 G	2.40 G	2.75 G	3.05 G	3.25 G	2.50
5		2.30	1.45	2.60	2.85 G	2.70 G	2.30 G	2.50 G	2.40 G	2.60 G	2.70 G	2.70 G	2.55
6		2.00	2.90	2.80	3.10 G	2.20 G	2.95 G	2.70 G	2.60 G	2.60 G	2.85 G	2.55 G	2.60
7		2.35	2.20	2.90	2.75 G	2.65 G	2.75 G	2.80 G	2.50 G	2.70 G	2.85 G	2.75 G	2.50
8		2.30	2.80	3.30	2.80 G	3.00 G	2.95 G	2.80 G	2.50 G	2.70 G	2.80 G	2.60 G	2.40
9		2.70	3.40 G	3.20 G	3.20	3.80 G	2.75 G	2.70 G	2.50 G	2.60 G	2.95	3.20 G	2.40
10		2.30	2.80 G	3.10 G	2.80	2.80 G	2.70 G	2.60 G	2.55 G	2.55 G	2.40 G	2.50 G	2.50
11		2.70	2.20 G	3.30	2.10	2.70 G	2.65 G	2.70 G	2.40 G	2.70 G	2.30 G	2.60 G	2.50
12		2.50	2.20 G	3.30	2.05	3.50 G	2.45 G	2.65 G	2.40 G	2.85 G	2.35 G	2.50 G	2.55
13	G	2.05	2.55 G	3.45	2.80	3.00 G	2.45 G	2.35 G	2.45 G	2.90 G	2.20 G	2.50 G	2.60
14		2.80	2.25 G	3.30	2.75	2.30 G	2.35 G	2.20 G	2.65 G	3.20 G	2.30 G	2.40 G	2.55
15		2.20	2.60	3.55	2.60	2.50 G	2.60 G	2.35 G	2.70 G	2.80 G	2.40 G	2.55 G	2.50
16		2.35	2.40	2.70 G	2.50 G	3.05 G	2.65 G	2.55 G	2.70 G	2.45 G	2.45 G	2.70 G	2.40
17	G	2.20	2.00	2.20	2.35	2.40 G	2.75 G	2.80 G	2.85 G	2.70 G	2.50 G	2.70 G	2.50
18		2.15	2.20	1.80	2.40 G	1.90 G	2.50 G	2.95 G	2.90 G	2.70 G	2.60 G	2.70 G	2.70
19		2.45	2.70	1.95	2.85 G	2.90 G	2.50 G	2.85 G	3.00 G	2.70 G	2.40 G	2.80 G	2.40
20		2.95	2.20	1.75 G	2.90 G	3.20 G	2.40 G	2.80 G	2.90 G	2.65 G	2.75 G	2.90 G	2.70
21		2.70	2.80	2.20 G	3.00 G	3.15 G	2.55 G	2.80 G	2.75 G	2.90 G	2.90 G	2.85 G	2.70
22		2.80	3.30	2.80 G	3.00 G	2.90 G	2.50 G	2.90 G	2.75 G	2.80 G	2.80 G	2.90 G	2.70
23		2.65	2.20	2.30 G	2.95 G	2.60 G	2.50 G	2.65 G	2.60 G	2.40 G	2.60 G	2.80	2.40
24		2.65	2.00	2.80 G	3.10 G	2.70 G	2.30 G	2.60 G	2.50 G	2.30 G	2.85 G	2.60	2.30
25		2.90	2.40	3.10 G	3.30 G	2.95 G	2.50 G	2.60 G	2.45 G	2.50 G	2.55 G	2.65	2.45
26		2.60	3.00	2.80 G	3.30 G	2.90 G	2.55 G	2.50 G	2.10 G	2.55 G	2.30 G	2.65	2.50
27		3.80	2.90 G	2.65	3.45 G	2.90 G	2.30 G	2.50 G	2.05 G	2.55 G	2.45 G	2.95	2.95
28		3.60	2.55	3.00	2.35 G	2.90 G	2.40 G	2.50 G	2.30 G	2.55 G	2.40 G	2.80	2.20
29		3.70	-----	3.05	2.70	2.80 G	2.4	2.55 G	2.50 G	2.50 G	2.30 G	2.35 G	2.80
30		3.80	-----	3.20	2.70	2.90 G		2.50 G	2.40 G	2.45 G	2.45 G	2.25	2.70
31		3.35	-----	2.30	----- G	3.20		2.45 G	2.35	----- G	2.45	-----	2.30

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.66	2.53	2.69	2.74	2.87	2.64	2.60	2.53	2.64	2.58	2.70	2.57
MAX	3.80	3.40	3.55	3.45	3.80	3.40	2.95	3.00	3.20	3.05	3.25	3.10
MIN	2.00	1.45	1.35	2.05	1.90	2.30	2.20	2.05	2.30	2.20	2.25	2.20
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

G=GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 2.65.

HIGHEST STAGE WAS 3.80 ON JAN 27 AND LATER DATE(S).

LOWEST STAGE WAS 1.35 ON MAR 3.

## DAILY STAGE FOR 1990

CALCASIEU RIVER SALT WATER BARRIER CHANNEL AT LAKE CHARLES, LA. (FLDY. W.)

LOCATION. LAT. 30-15-08, LONG. 93-13-05. IN FLOODWAY CHANNEL ON WEST SIDE OF STRUCTURE AT GATE  
NUMBER ONE. (STA. 7347821.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. FEB. 1968 TO DATE.

EXTREMES. HIGHEST, 9.00 FEET ON JUL. 3, 1989. LOWEST, MINUS 2.30 FEET ON DEC. 23, 1989.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G. (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	G 1.45	2.65	2.55	2.10	2.30	2.60 G	2.50 G	2.65 G	2.60 G	2.70 G	2.50 G	2.90
2	G 1.55	2.70	1.30	2.15	2.60 G	3.80 G	2.65 G	2.85 G	2.70 G	2.70 G	2.85 G	2.60
3	G 1.45	2.30	1.00	1.90	3.35 G	3.40 G	2.45 G	1.60 G	2.80 G	3.55 G	3.20 G	3.20
4	1.85	1.30	1.20	2.00	3.40 G	3.05 G	2.35 G	2.40 G	2.75 G	3.30 G	3.65 G	1.40
5	1.10	0.40	1.70	2.65 G	2.30 G	2.90 G	2.30 G	2.40 G	2.45 G	3.15 G	2.05 G	2.60
6	1.40	2.40	2.25	3.00 G	2.50 G	3.05 G	2.35 G	2.10 G	2.75 G	3.30 G	3.10 G	2.80
7	1.45	1.95	2.85	1.75 G	2.90 G	3.05 G	2.45 G	1.70 G	2.80 G	3.50 G	2.80 G	1.10
8	1.15	2.65	3.10	2.70 G	3.20 G	2.95 G	2.15 G	1.95 G	2.50 G	3.10 G	2.70 G	1.40
9	2.00	3.30 G	2.90 G	3.15	3.70 G	2.75 G	2.00 G	2.10 G	2.50 G	3.50	3.20 G	1.40
10	1.70	2.60 G	3.10 G	3.00	2.60 G	2.55 G	2.05 G	2.00 G	2.60 G	1.05 G	0.85 G	1.30
11	2.05	2.10 G	3.35	1.70	2.65 G	2.05 G	1.85 G	2.40 G	2.95 G	1.90 G	1.65 G	1.20
12	1.95	2.10 G	3.45	1.80	3.40 G	2.00 G	2.05 G	2.40 G	2.45 G	2.95 G	1.95 G	1.80
13	G 1.50	2.45	3.45	2.45	2.90 G	2.10 G	1.60 G	2.80 G	3.20 G	2.55 G	1.40 G	1.70
14	2.00	2.05 G	3.25	2.40	2.20 G	2.00 G	1.15 G	2.85 G	3.10 G	2.55 G	1.75 G	1.55
15	1.85	2.50	3.15	1.25	2.40 G	1.90 G	1.75 G	3.00 G	3.00 G	2.50 G	2.40 G	1.70
16	1.70	2.10	2.45 G	1.45 G	2.60 G	2.40 G	2.65 G	3.00 G	2.80 G	2.70 G	2.20 G	1.90
17	G 1.60	1.05	1.95	1.90	2.10 G	2.60 G	3.10 G	3.20 G	2.80 G	3.15 G	2.00 G	2.35
18	1.35	1.70	1.55	1.40 G	1.70 G	2.60 G	3.00 G	3.35 G	2.75 G	2.45 G	2.70 G	2.40
19	1.35	1.85	1.70	1.70 G	2.90 G	2.65 G	2.90 G	3.05 G	2.80 G	2.40 G	3.00 G	2.45
20	1.60	1.65	0.85 G	2.60 G	3.35 G	2.80 G	2.75 G	2.85 G	2.70 G	3.20 G	2.80 G	2.75
21	0.85	2.60	1.45 G	2.70 G	3.25 G	2.85 G	2.80 G	2.60 G	2.95 G	3.20 G	3.30 G	2.80
22	1.80	2.85	2.35 G	2.80 G	2.95 G	2.70 G	2.75 G	2.45 G	2.50 G	2.60 G	3.15 G	2.30
23	1.65	1.75	1.80 G	3.00 G	2.70 G	2.40 G	2.35 G	2.45 G	1.90 G	2.60 G	2.80	2.05
24	2.00	1.85	2.40 G	3.25 G	3.05 G	2.05 G	2.00 G	2.00 G	2.35 G	2.80 G	2.80	0.35
25	2.40	2.00	2.75 G	3.30 G	2.95 G	1.85 G	2.05 G	1.85 G	2.55 G	1.95 G	2.55	1.95
26	1.80	2.85	2.55 G	3.30 G	2.70 G	1.45 G	2.00 G	1.80 G	2.55 G	2.30 G	2.55	1.65
27	3.25	2.85 G	2.50	3.30 G	2.70 G	1.30 G	2.00 G	2.25 G	2.55 G	2.50 G	2.95	2.40
28	3.10	2.45	2.95	2.15 G	2.25 G	1.50 G	2.40 G	2.60 G	2.70 G	2.30 G	2.40	1.70
29	2.90	-----	2.95	2.35	2.15 G	1.95 G	2.15 G	2.80 G	2.60 G	2.10 G	1.35 G	2.25
30	3.00	-----	3.10	2.35	2.75 G	2.90 G	2.50 G	2.50 G	2.70 G	2.30 G	2.15	2.35
31	2.70	-----	2.05	----- G	3.15	----- G	2.50 G	2.35	----- G	2.10	-----	1.40

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.85	2.18	2.39	2.38	2.76	2.47	2.31	2.46	2.69	2.65	2.49	1.99
MAX	3.25	3.30	3.45	3.30	3.70	3.80	3.10	3.35	3.20	3.55	3.65	3.20
MIN	0.85	0.40	0.85	1.25	1.70	1.30	1.15	1.60	1.90	1.05	0.85	0.35
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

G=GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 2.39.

HIGHEST STAGE WAS 3.80 ON JUN 2.

LOWEST STAGE WAS 0.35 ON DEC 24.

## DAILY STAGE FOR 1990

CALCASIEU RIVER AND PASS AT LAKE CHARLES, LA.

LOCATION. LAT. 30-13-05, LONG. 93-15-12. ON EAST END OF LAKE CHARLES HARBOR TERMINAL DISTRICT DOCKS. (STA. 7355021.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JUNE 19, 1937 TO OCT. 4, 1973 AND MAR. 21, 1974 TO DATE.

EXTREMES. HIGHEST, 9.8 FEET ON MAY 22, 1953. LOWEST, MINUS 2.40 FEET ON FEB. 28, 1984.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO, MINUS 0.59 FOOT, NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.91	2.96	2.98	2.47	2.49	3.55	2.66	2.93	2.96	2.97	2.67	2.97
2	2.03	2.97	1.90	2.46	2.76	4.04	2.85	3.05	3.08	3.14	3.11	2.82
3	2.02	2.63	1.64	1.90	3.43	3.44	2.61	2.90	3.21	3.87	3.60	3.30
4	2.00	1.47	1.61	2.18	3.65	3.36	2.78	2.77	3.13	3.54	3.93	1.76
5	1.54	0.80	2.04	2.79	2.34	3.16	3.05	2.74	2.75	2.80	2.46	2.90
6	1.50	2.59	2.54	3.15	2.67	3.31	2.87	2.69	3.22	3.47	3.37	3.16
7	1.72	2.15	3.06	2.18	3.10	3.55	2.91	2.48	3.28	3.71	3.12	2.36
8	1.34	2.85	3.20	3.09	3.68	3.47	2.71	2.72	2.95	3.62	3.11	1.91
9	2.10	3.45	2.98	3.62	4.24	3.32	2.63	2.72	3.03	3.83	3.52	1.76
10	1.75	2.79	3.32	3.54	2.95	3.26	2.73	2.68	3.15	1.54	1.14	1.64
11	2.07	2.60	3.77	2.42	3.44	3.09	2.79	2.81	3.50	2.35	2.09	1.40
12	2.00	2.56	3.86	2.84	4.20	2.98	2.78	2.83	3.29	2.80	2.32	2.16
13	2.06	3.15	4.03	3.27	3.34	3.14	1.99	3.16	3.61	2.48	1.75	2.13
14	2.57	2.58	3.86	3.20	2.98	2.44	1.82	3.15	3.42	2.74	2.19	2.04
15	2.41	3.10	3.53	2.26	3.00	2.50	2.12	3.31	3.26	2.67	2.73	2.19
16	2.43	2.50	3.10	2.30	3.30	2.76	2.90	3.24	3.14	2.84	2.59	2.42
17	2.10	1.50	2.55	2.32	2.36	2.88	3.24	3.48	3.16	3.31	2.41	2.65
18	1.87	2.15	2.07	1.65	2.03	2.70	3.28	3.63	3.07	2.56	3.00	2.57
19	1.84	2.24	2.01	2.00	3.07	2.77	3.17	3.43	3.21	2.78	3.31	2.70
20	1.82	1.95	1.38	2.64	3.32	3.04	3.16	3.27	3.20	3.49	3.10	3.09
21	1.10	2.83	1.76	2.75	3.22	3.12	3.16	3.05	3.39	3.54	3.63	3.26
22	1.25	3.05	2.59	2.78	2.92	3.03	3.23	3.02	2.97	2.82	3.48	2.71
23	1.75	2.00	2.08	3.20	2.98	2.85	3.00	3.02	2.45	2.96	3.13	2.43
24	2.00	2.12	2.55	3.53	3.53	2.73	2.80	2.53	2.87	3.17	3.18	-0.09
25	2.64	2.34	2.82	3.78	3.58	2.88	2.56	2.33	2.89	2.33	2.92	1.86
26	2.00	3.21	2.61	3.90	3.42	2.38	2.49	2.27	3.08	2.67	2.91	2.12
27	3.43	3.28	2.92	4.10	3.50	2.05	2.40	2.71	2.89	2.80	3.26	2.76
28	3.32	3.11	3.35	2.87	3.07	2.13	2.69	3.00	2.99	2.46	2.67	1.98
29	2.94	-----	3.35	3.19	2.85	2.25	2.87	3.12	2.93	2.42	1.67	2.40
30	3.28	-----	3.55	2.90	3.25	3.06	2.76	2.80	2.97	2.54	2.34	2.56
31	2.96	-----	2.48	-----	3.38	-----	2.80	2.64	-----	2.39	-----	1.58

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.12	2.53	2.76	2.84	3.16	2.97	2.77	2.92	3.10	2.92	2.82	2.31
MAX	3.43	3.45	4.03	4.10	4.24	4.04	3.28	3.63	3.61	3.87	3.93	3.30
MIN	1.10	0.80	1.38	1.65	2.03	2.05	1.82	2.27	2.45	1.54	1.14	-0.09
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 2.77.

HIGHEST STAGE WAS 4.90 AT 8:30 P.M. ON MAR 14.

LOWEST STAGE WAS MINUS 0.20 ON DEC 24.

## DAILY STAGE FOR 1990

CALCASIEU RIVER AND PASS AT HACKBERRY, LA.

LOCATION. LAT. 30-00-20, LONG. 93-20-05. ON AMERICAN OIL CO. WHARF ABOUT 900 FEET SOUTH OF BLACK LAKE BAYOU. (STA. 7360021.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. APR. 1943 TO DATE. PRIOR TO AUG. 1970 GAGE WAS LOCATED IN BLACK LAKE BAYOU.

EXTREMES. HIGHEST, 7.25 FEET (CAUSED BY HURRICANE) ON JUNE 27, 1957. LOWEST, MINUS 2.36 FEET ON DEC. 23, 1989.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO, MINUS 0.55 FOOT, NGVD (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.11	2.10	2.10	1.95	1.85	2.87	2.07	2.32	2.20	2.26	1.98	2.35
2	1.20	2.09	1.25	1.70	2.08	3.30	2.23	2.32	2.30	2.33	2.36	2.12
3	1.40	1.76	0.93	1.17	2.75	2.76	1.91	2.21	2.42	3.00	2.78	2.79
4	1.17	0.66	0.87	1.34	2.66	2.74	2.09	2.03	2.33	2.50	3.07	0.91
5	0.62	0.19	1.25	1.73	1.72	2.33	2.10	1.96	2.06	1.89	1.64	2.00
6	0.72	1.55	1.69	2.20	1.87	2.60	2.10	1.89	2.40	2.50	2.53	2.42
7	0.68	1.20	2.27	1.18	2.30	2.72	2.09	1.85	2.39	2.69	2.38	1.74
8	0.40	1.75	2.51	2.12	2.80	2.60	1.92	1.96	2.14	2.68	2.50	1.38
9	1.10	2.35	2.47	2.70	3.35	2.49	1.76	2.00	2.35	3.00	2.75	1.23
10	0.95	1.86	2.70	2.65	2.18	2.35	1.95	2.02	2.44	1.04	0.60	1.12
11	1.09	1.73	2.92	1.64	2.73	2.12	1.99	2.17	2.79	1.79	1.47	0.88
12	1.12	1.72	3.00	2.08	3.48	2.07	1.97	2.24	2.75	2.11	1.66	1.52
13	1.17	2.27	2.97	2.47	2.80	2.19	1.65	2.56	3.05	1.83	1.06	1.33
14	1.65	2.04	2.82	2.40	2.36	2.04	1.47	2.59	2.76	2.00	1.38	1.25
15	1.53	2.42	2.48	1.70	2.40	2.07	1.67	2.70	2.36	1.90	1.90	1.32
16	1.50	1.52	2.16	1.59	2.47	2.22	2.28	2.63	2.32	2.02	1.80	1.57
17	1.36	0.78	1.65	1.64	1.85	2.22	2.66	2.80	2.22	2.35	1.70	1.78
18	1.14	1.28	1.28	1.03	1.55	2.04	2.65	2.87	2.19	1.70	2.14	2.14
19	1.22	1.33	1.38	1.21	2.34	2.05	2.43	2.65	2.28	1.79	2.49	1.85
20	1.17	1.14	0.77	1.98	2.62	2.26	2.38	2.46	2.30	2.60	2.38	2.25
21	0.57	1.85	1.09	2.09	2.56	2.30	2.35	2.27	2.53	2.70	2.80	2.47
22	0.62	1.95	2.16	2.02	2.37	2.25	2.43	2.21	2.10	2.00	2.71	1.96
23	1.03	0.88	1.63	2.34	2.29	2.00	2.21	2.25	1.75	2.13	2.44	1.54
24	1.30	1.07	2.08	2.75	2.65	1.79	1.96	1.85	2.08	2.40	2.54	-0.65
25	1.20	1.34	2.43	3.03	2.77	2.05	1.97	1.67	2.13	1.64	2.38	1.05
26	0.76	2.19	1.99	3.15	2.68	1.75	1.94	1.53	2.29	1.96	2.36	1.37
27	2.00	2.42	1.76	3.20	2.80	1.55	1.89	1.92	2.17	2.10	2.62	2.01
28	2.15	2.27	2.51	2.34	2.50	1.69	2.12	2.34	2.26	1.78	2.12	1.08
29	1.73	-----	2.68	2.50	2.34	1.85	2.26	2.30	2.25	1.78	1.07	1.56
30	2.40	-----	2.75	2.25	2.70	2.36	2.15	2.00	2.24	1.90	1.61	1.64
31	2.18	-----	2.05	-----	2.67	-----	2.25	1.87	-----	1.81	-----	0.80

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.23	1.63	2.02	2.07	2.47	2.25	2.09	2.21	2.33	2.13	2.11	1.57
MAX	2.40	2.42	3.00	3.20	3.48	3.30	2.66	2.87	3.05	3.00	3.07	2.79
MIN	0.40	0.19	0.77	1.03	1.55	1.55	1.47	1.53	1.75	1.04	0.60	-0.65
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 2.01.

HIGHEST STAGE WAS 3.82 AT 3:00 P.M. ON MAY 12.

LOWEST STAGE WAS MINUS 0.84 ON DEC 24.

## DAILY STAGE FOR 1990

CALCASIEU RIVER AND PASS NEAR CAMERON, LA.

LOCATION. LAT. 29-46-30, LONG. 93-20-46. AT CALCASIEU RIVER PILOTS DOCKS, TWO MILES SOUTHWEST OF CAMERON, LA. (STA. 7365022.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

RECORDS AVAILABLE. APR. 1939 TO DATE.

EXTREMES. HIGHEST, 12.9 FEET, FROM WATERMARK LEFT BY HURRICANE OF JUNE 27, 1957. LOWEST, MINUS 3.12 FEET ON FEB. 25, 1965.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G. (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.04	2.67	2.46	3.00	2.95	3.35	2.58	2.67	3.03	2.40	1.44	1.03
2	1.45	2.74	2.27	2.64	3.05	2.92	2.50	2.52	2.47	2.15	1.48	0.36
3	1.95	2.30	2.15	2.30	3.04	2.75	2.23	2.37	2.60	2.64	1.50	0.01
4	1.95	1.10	2.27	2.00	2.83	2.82	2.30	2.26	2.20	1.46	1.84	-0.46
5	1.42	1.00	2.02	1.75	2.03	2.19	2.53	2.36	2.04	1.17	0.10	1.20
6	0.60	0.74	2.10	1.50	1.75	2.57	2.40	2.21	2.18	1.45	2.00	2.10
7	0.26	0.29	1.93	1.29	2.56	2.85	2.47	2.29	2.16	1.50	2.11	1.80
8	-0.50	0.35	1.48	2.00	3.17	2.80	2.31	2.31	1.81	1.74	2.95	2.00
9	-0.55	0.85	1.46	2.54	3.06	2.80	2.22	2.21	2.19	2.29	1.95	1.73
10	-0.90	0.40	1.70	2.55	2.31	2.95	2.60	2.30	2.60	1.35	1.27	1.54
11	-0.67	0.95	2.15	2.07	3.03	2.79	2.38	2.36	2.49	2.31	1.93	1.22
12	-0.77	1.15	2.58	2.65	3.65	2.75	2.31	2.44	3.05	2.42	1.65	1.55
13	0.81	1.95	2.82	3.09	3.17	2.78	2.11	2.67	2.81	2.25	0.97	0.50
14	1.40	2.30	3.23	2.86	3.00	2.68	1.93	2.90	2.93	2.11	1.08	0.50
15	1.65	2.60	2.52	2.45	3.10	2.75	2.16	3.00	2.53	1.75	1.34	0.33
16	1.85	1.47	3.00	2.39	3.16	2.75	2.69	3.13	2.34	1.65	0.94	0.67
17	1.89	1.98	2.33	2.46	2.91	2.52	3.00	3.14	2.03	1.80	0.60	0.65
18	1.90	2.15	2.21	2.14	2.47	2.40	2.98	3.14	1.96	-0.10	1.24	0.03
19	1.89	1.95	2.21	2.15	2.74	2.25	3.02	2.72	2.00	1.20	1.45	0.69
20	1.70	1.66	1.93	2.41	2.66	2.63	2.91	2.31	1.68	2.10	1.63	1.76
21	0.85	2.09	1.67	.25	2.50	2.50	2.80	2.25	2.00	2.01	2.17	2.09
22	0.55	1.33	1.55	1.94	2.35	2.56	2.77	2.05	1.55	1.10	2.34	1.75
23	0.64	0.25	1.50	2.05	2.84	2.26	2.40	2.25	1.82	2.02	2.25	1.60
24	0.43	-0.15	1.12	2.51	2.99	2.30	2.18	1.75	2.10	2.34	2.67	0.10
25	-0.90	0.21	1.33	2.94	3.04	2.60	2.01	1.75	2.15	1.50	2.68	1.74
26	-0.74	1.27	0.85	3.45	3.25	2.44	2.31	1.66	2.35	2.20	2.75	2.16
27	0.01	1.75	1.74	4.45	3.40	2.23	2.39	2.13	2.36	2.35	3.05	1.86
28	0.90	2.30	2.65	3.20	3.62	2.42	2.50	2.50	2.40	1.87	2.00	0.80
29	0.64	-----	3.05	3.20	3.40	2.44	2.65	2.40	2.38	1.96	0.40	0.58
30	1.87	-----	3.45	2.85	3.43	2.65	2.46	1.93	2.42	1.86	1.22	0.20
31	2.44	-----	3.34	-----	3.33	-----	2.65	2.20	-----	1.27	-----	-1.15

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.81	1.42	2.16	2.50	2.93	2.62	2.48	2.39	2.29	1.81	1.70	1.00
MAX	2.44	2.74	3.45	4.45	3.65	3.35	3.02	3.14	3.05	2.64	3.05	2.16
MIN	-0.90	-0.15	0.85	1.29	1.75	2.19	1.93	1.66	1.55	-0.10	0.10	-1.15
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 2.01.  
 HIGHEST STAGE WAS 5.15 AT 12:15 A.M. ON NOV 9.  
 LOWEST STAGE WAS MINUS 1.95 ON JAN 25.

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## DAILY STAGE FOR 1990

## BAYOU DUPRE AT FLOODGATE (WEST) (LA.)

LOCATION. LAT. 29-56-28, LONG. 89-50-24. ON NORTHWEST FENDER OF STRUCTURE. (STA. 7600504.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. AUG. 22, 1975 TO DATE.

EXTREMES. HIGHEST, 3.52 FEET (CAUSED BY HURRICANE) ON OCT. 30, 1985. LOWEST, MINUS 2.34 FEET ON APR. 12, 1982.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.52	0.72	1.07	0.60			0.95	1.38	1.30	1.55	0.95	1.66
2	0.93	0.55	0.84	0.60			0.75	1.34	1.37	1.19	1.20	1.61
3	0.64	0.30	0.33	0.65			1.05	1.01	1.40	1.29	1.48	1.93
4	0.43	-0.10	0.27	0.30			1.45	0.95	1.13	1.21	1.75	1.64
5	-0.02	-0.15	0.21	-0.22		F 1.50	1.26	1.05	1.04	1.48	1.75	1.73
6	0.30	0.19	0.57			1.27	0.94	0.88	1.10	1.32	1.90	1.22
7	0.40	0.32	0.97			1.15	0.62	1.23	1.04	1.50	1.69	1.54
8	-0.20	0.59	1.66			1.15	0.80	1.31	0.95	1.60	1.75	1.02
9	-0.14	1.09	1.73			1.12	0.93	1.24	1.15	1.79	1.98	0.02
10	-0.20	0.93	1.58			1.10	0.86	1.26	1.43	1.65	0.57	-0.45
11	0.09	0.93	1.61			0.85	0.82	1.37	1.54	1.48	0.76	-0.50
12	0.37	0.40	1.74			0.90	1.05	1.50	1.62	1.34	0.20	-0.17
13	0.83	0.69	1.54			0.89	1.06	1.60	1.73	1.10	0.03	-0.10
14	0.20	1.01	1.56			1.00	1.13	1.65	1.73	1.16	0.38	0.06
15	0.58	1.22	1.85			0.95	1.19	1.63	1.57	0.69	0.90	0.05
16	0.58	0.73	1.75			0.87	1.43	1.59	1.25	0.58	0.95	0.39
17	0.57	1.00	1.32			0.84	1.50	1.50	1.29	0.90	1.12	0.35
18	0.41	0.99	0.58			0.82	1.60	1.40	1.19	1.14	1.28	0.70
19	0.33	1.12	0.18			1.22	1.55	1.22	1.05	1.71	1.24	1.00
20	0.43	1.19	0.07			1.15	1.50	1.25	1.00	1.50	1.30	1.36
21	0.18	1.45	-0.05			1.16	1.40	1.27	1.08	1.50	1.60	1.41
22	0.11	1.97	0.06			0.95	1.34	0.95	0.90	1.78	1.65	1.32
23	-0.10	1.10	0.32			0.75	0.85	0.80	1.40	1.67	1.65	1.32
24	-0.07	0.62	0.60			0.64	1.04	0.15	1.60	1.64	1.66	F 0.12
25	0.53	0.56	1.15			0.36	1.02	0.64	1.21	1.32	1.39	
26	-0.36	1.10	1.08			0.45	1.23	1.05	1.35	1.17	1.23	
27	0.04	1.24	1.17			0.48	1.40	1.49	1.22	1.22	1.47	
28	0.94	1.20	0.81			0.91	1.44	1.48	1.42	1.12	1.21	
29	1.09	-----	1.03			0.98	1.38	1.25	1.57	1.23	1.56	
30	1.34	-----	0.83			1.20	1.46	0.72	1.86	0.87	1.71	
31	0.88	-----	0.65	-----		-----	1.36	0.81	-----	1.05	-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.38	0.82	0.94	0.39		0.95	1.17	1.19	1.32	1.31	1.28	0.80
MAX	1.34	1.97	1.85	0.65		1.50	1.60	1.65	1.86	1.79	1.98	1.93
MIN	-0.36	-0.15	-0.05	-0.22		0.36	0.62	0.15	0.90	0.58	0.03	-0.50
DAYS	31	28	31	5	0	26	31	31	30	31	30	24

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 298

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.01.

HIGHEST STAGE WAS NOT DETERMINED.

LOWEST STAGE WAS MINUS 0.90 ON JAN 1.



## DAILY STAGE FOR 1990

## BAYOU DUPRE AT FLOODGATE (EAST) (LA.)

LOCATION. LAT. 29-56-35, LONG. 89-50-24. ON NORTHEAST FENDER OF STRUCTURE. (STA. 7601004.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. AUG. 22, 1975 TO DATE.

EXTREMES. HIGHEST, 7.62 FEET (CAUSED BY HURRICANE) ON OCT. 28, 1985. LOWEST, MINUS 2.47 FEET ON APR. 12, 1988.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.32	0.70	0.89		-0.04	1.62	0.97	1.43			0.77	1.34
2	0.89	0.35	0.68		0.28	1.76	0.72	1.36			1.00	1.15
3	0.56	0.10	0.08		1.26	1.36	1.17	1.11			1.25	1.70
4	0.33	-0.52	0.05		1.20	1.10	1.70	1.03			1.50	1.33
5	-0.20	-0.40	-0.08 F	-0.40	0.95	1.40	1.30	1.09			1.58	1.73
6	-0.15	-0.21	0.35	0.09	1.36	1.36	0.90	0.79			2.04	1.09
7	-0.01	-0.10	0.77	1.00	1.47	1.22	0.56	1.27			1.74	1.63
8	-0.58	0.11	1.66	1.27	1.25	1.21	0.74	1.27			2.01	0.99
9	-0.48	0.63	1.60	1.30	2.15	1.16	0.95	1.19			2.16	-0.05
10	-0.50	0.59	1.43	1.35	1.26	1.10	0.85	1.24			0.45	-0.47
11	-0.27	0.68	1.59	0.99	1.66	0.79	0.77	1.38			0.74	-0.54
12	0.15	0.18	1.75	0.86	1.57	0.84	0.99	1.56			0.12	-0.28
13	0.82	0.63		0.31	0.65	0.79	1.06	1.73			-0.01	-0.31
14	0.09	1.02		0.40	0.48	0.99	1.12	1.82			0.25	-0.18
15	0.44	1.34		0.09	0.60	0.95	1.24	1.80			0.70	-0.18
16	0.55	0.65		-0.14	0.50	0.90	1.60	1.74			0.72	0.18
17	0.52	1.00		-0.14	0.30	0.84	1.70				1.00	0.12
18	0.34	0.85		0.17	1.23	0.82	1.82		F	0.82	1.24	0.60
19	0.20	0.56		0.15	0.97	1.38	1.73			1.84	1.03	0.98
20	0.20	0.78		1.20	1.08	1.23	1.58			1.36	1.20	1.22
21	-0.14	1.43		0.90	1.27	1.29	1.50			1.35	1.69	1.38
22	-0.22	1.59		0.50	1.62	0.94	1.32			1.76	1.72	1.26
23	-0.35	0.30		1.14	1.72	0.70	0.73			1.70	1.75	1.31
24	-0.35	0.70		1.24	1.53	0.60	0.99			1.72	1.73	0.11
25	0.19	0.57		1.50	1.46	0.25	1.02			1.35	1.38	0.54
26	-0.51	1.12		1.60	1.39	0.44	1.26			1.20	1.36	0.14
27	-0.20	1.24		1.66	1.30	0.44	1.52			1.30	1.47	0.36
28	0.66	1.12		0.53	1.30	0.93	1.53			1.12	0.85	0.01
29	0.90	-----		0.23	1.11	0.98	1.48			1.27	1.38	0.35
30	1.38	-----		0.03	1.32	1.25	1.61			0.81	1.65	0.32
31	0.84	-----		-----	1.26	-----	1.43		-----	0.93	-----	0.60

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.17	0.61	0.90	0.69	1.14	1.02	1.22	1.36		1.32	1.22	0.59
MAX	1.38	1.59	1.75	1.66	2.15	1.76	1.82	1.82		1.84	2.16	1.73
MIN	-0.58	-0.52	-0.08	-0.40	-0.04	0.25	0.56	0.79		0.81	-0.01	-0.54
DAYS	31	28	12	26	31	30	31	16	0	14	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 280

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 0.89.

HIGHEST STAGE WAS 3.56 AT 4:30 P.M. ON APR 27.

LOWEST STAGE WAS MINUS 1.10 ON JAN 11.

## DAILY STAGE FOR 1990

BAYOU BIENVENUE AT PARIS ROAD (LA.)

LOCATION. LAT. 29-58-55, LONG. 89-56-47. ON STATE HIGHWAY 47 (PARIS ROAD) BRIDGE.  
(STA. 7602004.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

RECORDS AVAILABLE. DEC. 19, 1974 TO DATE.

EXTREMES. HIGHEST, 4.82 FEET ON MAY 3, 1978. LOWEST, MINUS 2.93 FEET ON APR. 12, 1988.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.63	0.92	1.24	1.09	0.65	1.69	1.02	1.03	0.88	1.59	1.43	2.07
2	0.72	1.02	1.22	1.05	0.79	1.68	0.73	1.00	1.30	1.38	1.64	2.11
3	0.67	0.85	0.78	0.98	1.28	1.27	0.34	0.70	1.32	1.60	1.87	2.27
4	0.58	0.56	0.71	0.65	1.45	0.98	0.86	0.55	1.27	1.61	2.01	1.88
5	0.40	0.16	0.70	0.11	0.96	0.87	1.14	0.57	1.18	1.74	1.98	1.65
6	0.86	0.63	0.90	0.32	1.03	1.02	0.84	0.82	1.39	1.78	1.81	1.36
7	0.82	0.80	1.26	1.00	1.17	0.95	0.72	0.98	1.32	1.82	1.68	1.39
8	0.34	0.90	1.74	1.26	1.16	0.96	0.66	1.23	1.32	1.80	1.61	1.09
9	0.33	1.28	1.87	1.27	1.78	0.94	0.83	1.23	1.31	1.79	1.96	0.35
10	0.17	1.03	1.69	1.25	1.33	0.99	0.93	1.12	1.29	1.65	0.81	-0.10
11	0.24	0.87	1.67	1.04	1.37	0.87	0.73	1.18	1.35	1.29	0.72	0.05
12	0.34	0.53	1.73	0.90	1.52	0.85	0.89	1.35	1.41	1.12	0.63	0.41
13	0.57	0.58	1.62	0.70	1.31	0.86	0.98	1.30	1.67	0.85	0.52	0.63
14	0.34	0.84	1.69	0.81	1.87	1.15	1.00	1.32	1.68	0.99	0.92	0.72
15	0.57	1.35	2.00	0.66	1.41	0.99	0.91	1.32	1.56	0.95	1.32	0.77
16	0.60	1.12	2.03	0.55	1.19	0.87	1.03	1.29	1.17	1.02	1.52	0.91
17	0.65	1.15	1.58	0.45	0.93	0.73	1.15	1.27	1.21	1.30	1.52	0.95
18	0.63	1.26	1.02	0.49	1.03	0.64	1.28	1.25	1.38	1.58	1.61	1.15
19	0.70	1.56	0.60	0.55	1.37	0.72	1.22	1.09	1.35	1.68	1.61	1.19
20	0.80	1.42	0.38	1.35	1.16	0.71	1.29	1.10	1.39	1.79	1.62	1.48
21	0.78	1.65	0.23	1.40	0.97	0.65	1.27	1.23	1.43	1.77	1.72	1.45
22	0.50	2.05	0.23	1.00	0.99	0.53	1.32	1.13	1.34	2.03	1.77	1.47
23	0.27	1.37	0.41	1.12	1.11	0.57	1.20	0.94	1.34	1.73	1.77	1.40
24	0.30	0.75	0.68	1.06	1.14	0.47	0.88	0.41	1.42	1.59	1.68	0.40
25	0.60	0.51	1.02	1.30	1.18	0.49	0.87	0.57	1.27	1.25	1.59	0.70
26	-0.27	0.83	0.91	1.52	1.32	0.82	1.14	0.82	1.20	0.92	1.56	0.50
27	0.09	1.21	1.05	1.62	1.47	0.89	1.26	1.19	1.07	0.93	1.61	1.00
28	0.62	1.27	0.98	1.40	1.62	0.92	1.42	1.24	1.18	1.02	1.68	0.93
29	0.86	-----	1.18	0.98	1.36	1.06	1.23	1.05	1.35	1.11	1.85	1.15
30	1.04	-----	1.17	0.74	1.46	1.11	1.23	0.65	1.80	1.09	1.85	1.13
31	0.87	-----	1.13	-----	1.61	-----	1.04	0.61	-----	1.42	-----	1.15

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.54	1.02	1.14	0.95	1.26	0.91	1.01	1.02	1.34	1.43	1.53	1.08
MAX	1.04	2.05	2.03	1.62	1.87	1.69	1.42	1.35	1.80	2.03	2.01	2.27
MIN	-0.27	0.16	0.23	0.11	0.65	0.47	0.34	0.41	0.88	0.85	0.52	-0.10
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 1.10.  
 HIGHEST STAGE WAS 2.36 AT 9:30 P.M. ON MAY 13.  
 LOWEST STAGE WAS MINUS 0.52 ON JAN 26.

BLANK PAGE

## DAILY STAGE FOR 1990

## BAYOU BIENVENUE AT FLOODGATE (WEST) (LA.)

LOCATION. LAT. 29-59-47, LONG. 89-54-57. ON NORTHWEST FENDER OF STRUCTURE. (STA. 7602404.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. MAY 9, 1975 TO DATE.

EXTREMES. HIGHEST, 3.91 FEET ON APR. 13, 1980. LOWEST, (FROM INCOMPLETE RECORD) MINUS 2.03 FEET ON MAY 3, 1978.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.67	1.15	1.45		0.52				1.10	1.66	1.30	1.97
2	0.86	0.92	1.35		0.74		F	1.12	1.40	1.36	1.50	1.97
3	0.77	0.70	0.84		1.41				1.45	1.60	1.78	2.20
4	0.63	-0.08	0.82		1.50				1.28	1.53	1.95	1.84
5	0.27	-0.05	0.45 F	-0.05	1.08				1.20	1.67	1.95	1.73
6	0.62	0.23	0.86 F	0.40	1.28				1.39	1.70	1.92	1.39
7	0.65	0.36	1.00	1.10	1.40				1.32	1.82	1.75	1.48
8	0.10	0.51	1.80	1.39	1.34				1.30	1.75	1.75	1.12
9	0.12	0.92	1.68	1.41	2.03				1.36	1.89	2.10	0.35
10	-0.02	0.70	1.57	1.41	1.35				1.40	1.72	0.78	-0.13
11	0.10	0.65	1.58	1.13	1.56				1.45	1.43	0.84	-0.05
12	0.32	0.28	1.75	1.00	1.70				1.55	1.28	0.51	0.32
13	0.70	0.53	1.70	0.68	1.12 F	1.20			1.77	0.99	0.38	0.50
14	0.28	1.08	1.85	0.80	1.50				1.78	1.12	0.77	0.62
15	0.59	1.66	2.15	0.57	1.20				1.65	0.93	1.22	0.64
16	0.70	1.33	2.24	0.40	1.05		F	1.62	1.25	0.96	1.35	0.84
17	0.72	1.29	1.45	0.35	0.80			1.47	1.32	1.24	1.43	0.88
18	0.72	1.40	1.06	0.50	1.20			1.40	1.41	1.49	1.55	1.15
19	0.70	1.35	0.40	0.49	1.34			1.22	1.35	1.75	1.55	1.25
20	0.72	1.29	0.58	1.46	1.30			1.24	1.40	1.73	1.63	1.48
21	0.55	1.82	0.15	1.37	1.29			1.34	1.40	1.71	1.80	1.50
22	0.30	1.87	0.12	1.00	1.32			1.15	1.25	2.00	1.84	1.48
23	0.10	0.90		1.30	1.40			1.00	1.43	1.78	1.84	1.40
24	0.11	0.37		1.25				0.38	1.55	1.65	1.75	0.40
25	0.45	0.49		1.45				0.69	1.35	1.30	1.61	
26	-0.33	0.97		1.65				0.95	1.34	1.06	1.60	
27	0.02	1.23		1.80				1.40	1.20	1.10	1.64	
28	0.62	1.37		1.25				1.44	1.33	1.12	1.55	
29	0.80	-----		0.85				1.20	1.50	1.20	1.78	
30	1.15	-----		0.62				0.76	1.90	1.05	1.85	
31	0.95	-----		-----		-----		0.76	-----	1.34	-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.48	0.90	1.22	0.98	1.28	1.20		1.13	1.41	1.45	1.51	1.10
MAX	1.15	1.87	2.24	1.80	2.03	1.20		1.62	1.90	2.00	2.10	2.20
MIN	-0.33	-0.08	0.12	-0.05	0.52	1.20		0.38	1.10	0.93	0.38	-0.13
DAYS	31	28	22	26	23	1	0	17	30	31	30	24

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 263

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.15.

HIGHEST STAGE WAS 2.45 AT 5:00 A.M. ON DEC 3.

LOWEST STAGE MINUS 0.55 ON JAN 26.

## DAILY STAGE FOR 1990

## BAYOU BIENVENUE AT FLOODGATE (EAST) (LA.)

LOCATION. LAT. 29-59-52, LONG. 89-54-55. ON NORTHEAST FENDER OF STRUCTURE. (STA. 7602504.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. DEC. 23, 1974 TO DATE.

EXTREMES. HIGHEST, 8.00 FEET (CAUSED BY HURRICANE) ON OCT. 28, 1985. LOWEST, MINUS 2.98 FEET ON APR. 12, 1988.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.61						1.07	1.54	1.60	1.69	0.98	1.80
2	1.14						0.75	1.45	1.57	1.24	1.25	1.65
3	0.86						1.25	1.20	1.65	1.40	1.63	2.07
4	0.52						1.82	1.05	1.24	1.32	1.90	1.72
5	-0.05			F -0.25			1.40	1.20	1.19	1.60	1.95	2.03
6	0.05						1.00	0.83	1.30	1.45	2.35	1.49
7	0.27						0.60	1.40	1.25	1.75	2.02	1.77
8	-0.30						0.80	1.37	1.10	1.86	2.24	1.11
9	-0.19						0.97	1.28	1.37	2.17	2.35	0.23
10	-0.23						0.90	1.32	1.68	1.85	0.60	-0.32
11							0.80	1.47	1.90	1.71	0.83	-0.35
12							1.03	1.65	2.13	1.58	0.30	-0.06
13						F 1.40	1.14	1.87	2.20	1.20	0.10	0.03
14						1.09	1.22	2.00	2.25	1.31	0.45	0.25
15						1.00	1.35	2.20	1.83	0.78	1.02	0.23
16						1.00	1.70	1.93	1.28	0.65	1.10	0.68
17						0.90	1.84	1.93	1.48	1.01	1.25	0.65
18						0.86	2.00	1.68	1.40	1.15	1.55	1.19
19						1.47	2.07	1.35	1.28	2.02	1.45	1.40
20						1.45	1.70	1.45	1.15	1.60	1.70	1.35
21						1.44	1.50	1.46	1.24	1.60	2.05	1.50
22						0.99	1.35	1.13	0.98	2.00	2.10	1.40
23						0.70	0.79	1.00	1.57	1.85	2.10	1.35
24						0.79	1.09	0.30	2.05	1.88	1.95	0.25
25						0.40	1.07	0.79	1.45	1.45	1.60	0.66
26						0.40	1.37	1.21	1.60	1.34	1.59	0.33
27						0.45	1.65	1.84	1.40	1.44	1.60	0.55
28						1.00	1.65	1.80	1.70	1.30	1.10	0.15
29		-----				1.06	1.60	1.47	2.05	1.40	1.63	0.50
30		-----				1.35	1.77	0.80	2.40	0.92	1.91	0.40
31		-----		-----		-----	1.60	0.82	-----	1.12	-----	0.75

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.27			-0.25		0.99	1.32	1.38	1.58	1.47	1.49	0.86
MAX	1.14			-0.25		1.47	2.07	2.20	2.40	2.17	2.35	2.07
MIN	-0.30			-0.25		0.40	0.60	0.30	0.98	0.65	0.10	-0.35
DAYS	10	0	0	1	0	18	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 213

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.26.

HIGHEST STAGE WAS NOT DETERMINED.

LOWEST STAGE WAS NOT DETERMINED.

## DAILY STAGE FOR 1990

## INTRACOASTAL WATERWAY NEAR PARIS ROAD BRIDGE, NEW ORLEANS, LA.

LOCATION. LAT. 30-00-24, LONG. 89-56-05. ON NORTH BANK AT NEW ORLEANS PUBLIC SERVICE, INC.  
ELECTRIC PLANT, 1700 FEET EAST OF PARIS ROAD BRIDGE. (STA. 7604003.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO NOV. 15, 1967, GAGE WAS LOCATED AT PARIS ROAD BRIDGE (FIELD OFFICE).  
PRIOR TO 1977 GAGE ZERO WAS M.L.G.

RECORDS AVAILABLE. STAGE, JUNE 27 TO OCT. 9, 1944, JUNE 12 TO AUG. 17, 1945, AND APR. 16, 1948,  
TO DATE.

EXTREMES. HIGHEST, 10.04 FEET (CAUSED BY HURRICANE) ON SEP. 10, 1965. LOWEST, MINUS 2.56 FEET ON  
APR. 12, 1988. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

## GAGE ZERO AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.55	1.50	1.83	0.99	0.30	2.21	1.42	1.97	2.11	2.10	1.29	1.95
2	1.30	1.02	1.34	0.67	0.73	2.38	1.07	1.90	1.94	1.63	1.50	1.68
3	1.08	0.80	0.69	0.53	1.74	1.84	1.64	1.70	2.13	1.84	1.71	2.01
4	0.80 E	0.11	0.63	0.31	1.54	1.57	2.24	1.62	1.57	1.70	1.99	2.00
5	0.21 E	0.97	0.60	-0.12	1.36	2.01	1.76	1.69	1.58	1.99	2.29	2.28
6	0.30	0.47	1.03	0.49	1.86	1.98	1.29	1.18	1.63	1.88	2.80	1.68
7	0.50	0.51	1.32	1.95	1.90	1.81	0.96	1.78	1.61	1.99	2.31	2.19
8	-0.10	0.80	2.33	1.69	1.62	1.82	1.20	1.69	1.50	2.20	2.70	1.43
9	0.00	1.38	1.95	1.84	2.72	1.73	1.40	1.63	1.70	2.52	2.91	1.45
10	0.07	1.20	1.80	1.89	1.69	1.69	1.31	1.70	2.12	2.32	0.99	0.01
11	0.40	1.33	2.02	1.44	2.20	1.15	1.19	1.91	2.40	2.13	1.25	-0.10
12	0.72	0.91	2.30	1.35	2.07	1.28	1.51	2.12	2.75	1.99	0.63	0.20
13	1.38	1.15	2.15	2.41	1.42	1.25	1.60	2.38	2.78	1.60	0.40	0.29
14	0.60	1.62	2.31	0.91	1.00	1.37	1.62	2.40	2.71	1.70	0.79	0.48
15	0.98	1.98	2.44	0.80	1.25	1.30	1.79	2.45	2.23	1.15 F	1.80	0.43
16 F	0.90	1.10	2.33	0.45	1.10	1.30	2.21	2.36	1.85	1.10	1.20	0.79
17	0.99	1.55	1.29	0.30	0.73	1.21	2.30	2.42	1.99	1.42	1.50	0.95
18	0.72	1.43	0.90	0.75	1.80	1.19	2.48	2.15	1.77	1.50	1.70	1.40
19	0.66	1.20	0.40	1.13	1.48	1.87	2.46	1.79	1.65	2.52	1.34	1.64
20	0.74	1.55	0.53	1.58	1.49	1.74	2.20	1.90	1.53	1.99	1.99	1.80
21	0.40	2.10	0.39	1.27	1.75	1.88	1.98	1.87	1.61	1.86	2.42	1.83
22	0.35	2.38	0.49	0.87	2.26	1.45	1.79	1.47	1.31	2.45	2.41	1.73
23	0.21	1.30	0.63	1.46	2.38	0.99	1.02	1.32	1.99	2.27	2.47	1.69
24	0.20	1.00	0.89	1.70	2.20	1.08	1.40	0.59	2.53	2.31	2.42	
25	0.65	1.19	1.46	2.10	2.09	0.79	1.41	1.10	1.89	1.85	1.94	
26	0.00	1.78	1.50	2.20	1.94	0.88	1.78	1.62	2.07	1.76	1.94 F	0.58
27	0.43	1.82	1.85	2.40	1.94	0.83	2.09	2.31	1.83	1.91	2.00	1.01
28	1.11	1.95	1.56	0.92	1.95	1.37	2.08	2.25	2.18	1.65	1.48	0.67
29	1.55	-----	1.92	0.90	1.50	1.42	2.02	1.84	2.57	1.85	1.95	0.96
30	2.11	-----	1.36	0.47	1.87	1.72	2.20	1.16	2.94	1.30	2.18	0.89
31	1.48	-----	1.43	-----	1.71	-----	1.99	1.20	-----	1.49	-----	1.28

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.69	1.29	1.41	1.19	1.66	1.50	1.72	1.79	2.02	1.87	1.82	1.18
MAX	2.11	2.38	2.44	2.41	2.72	2.38	2.48	2.45	2.94	2.52	2.91	2.28
MIN	-0.10	0.11	0.39	-0.12	0.30	0.79	0.96	0.59	1.31	1.10	0.40	-0.10
DAYS	31	28	31	30	31	30	31	31	30	31	30	29

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 363  
E=ESTIMATED F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.51.  
HIGHEST STAGE WAS 4.35 AT 10:30 P.M. ON FEB 21.  
LOWEST STAGE WAS MINUS 0.59 ON JAN 25.

## DAILY STAGE FOR 1990

INNER HARBOR NAVIGATION CANAL NEAR SEABROOK BRIDGE, NEW ORLEANS, LA.

LOCATION. LAT. 30-01-45, LONG. 90-01-58. ON EAST BANK AT BAROID PLANT WHARF, 250 FEET SOUTH OF SEABROOK BRIDGE. (STA. 7606006.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO MAR. 4, 1965, GAGE WAS LOCATED AT SOUTHERN RAILROAD BRIDGE. PRIOR TO 1976 GAGE ZERO WAS M.L.G.

RECORDS AVAILABLE. VARIOUS MONTHS, 1942, 1944, 1945, 1959, AND 1960. DAILY, AUG. 18, 1962 TO DATE.

EXTREMES. (SINCE 1962) HIGHEST, 6.47 FEET (CAUSED BY HURRICANE) ON AUG. 18, 1969. LOWEST, MINUS 1.89 FEET ON APR. 12, 1988. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1				0.70			0.76	1.22	1.18	1.48	0.92	1.38
2				0.74			0.42	1.14	1.44	1.16	1.16	1.34
3				0.57			0.60	0.91	1.47	1.45	1.48	1.51
4				0.28			1.25	0.77	1.23	1.41	1.69	1.25
5				-0.17			1.14	0.83	1.17	1.56	1.71	1.25
6				0.27			0.74	0.75	1.32	1.52	1.78	0.84
7				0.93			0.41	1.15	1.25	1.71	1.51	1.08
8				1.18			0.51	1.15	1.20	1.82	1.68	0.51
9				1.30			0.72	1.12	1.34	1.96	1.96	-0.22
10				1.34			0.74	1.04	1.49	1.79	0.48	-0.61
11				1.05			0.72	1.22	1.65	1.20	0.44	-0.60
12				0.92			0.90	1.42	1.85	1.10	0.15	-0.28
13				0.70			0.99	1.53	1.92	0.75	0.06	-0.14
14			1.41	0.86			0.93	1.56	1.93	0.88	0.39	0.00
15			1.73	0.64			1.01	1.53	1.66	0.66	0.84	0.01
16			1.35	0.39			1.32	1.43	1.15	0.66	0.96	0.27
17			0.64	0.39			1.45	1.50	1.30	0.96	1.15	0.26
18			0.16				1.54	1.34	1.31	1.39	1.20	0.61
19			-0.22				1.48	1.11	1.28	1.54	1.21	1.13
20			-0.32				1.36	1.19	1.30	1.48	1.29	1.39
21			0.04				1.18	1.25	1.39	1.48	1.54	1.42
22			3.16				1.09	1.01	1.18	1.90	1.60	1.45
23			0.35				0.75	0.84	1.50	1.59	1.62	1.47
24			0.59				0.74	0.27	1.54	1.50	1.54	0.40
25			1.04				0.82	0.53	1.21	1.26	1.31	0.52
26			1.02			0.45	1.13	0.88	1.29	0.77	1.33	0.32
27			1.06			0.44	1.37	1.51	1.08	0.89	1.38	0.70
28			0.90			0.72	1.46	1.60	1.34	0.84	1.19	0.54
29		-----	1.14			0.85	1.31	1.24	1.58	0.98	1.48	0.80
30		-----	1.07			1.07	1.41	0.68	2.04	0.75	1.41	0.78
31		-----	0.97	-----		-----	1.24	0.70	-----	1.01	-----	0.97

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN			0.73	0.71		0.71	1.02	1.11	1.42	1.27	1.22	0.66
MAX			1.73	1.34		1.07	1.54	1.60	2.04	1.96	1.96	1.51
MIN			-0.32	-0.17		0.44	0.41	0.27	1.08	0.66	0.06	-0.61
DAYS	0	0	18	17	0	5	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 224

THE MEAN STAGE FOR THE YEAR WAS 1.04.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 2.42 AT 4:00 A.M. ON NOV 5.

LOWEST STAGE WAS NOT DETERMINED.

## DAILY STAGE FOR 1990

INNER HARBOR NAVIGATION CANAL (IHW) AT FLORIDA AVE. BRIDGE, NEW ORLEANS, LA

LOCATION. LAT. 29-58-53, LONG. 90-01-15. AT FLORIDA AVENUE BRIDGE CONTROL HOUSE. (STA. 7612007.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. PRIOR TO 1979 GAGE ZERO WAS MINUS 20.55 FEET, NGVD.

RECORDS AVAILABLE. JULY 1944 TO DATE. SUBTRACT 0.2 FROM DAILY STAGES PRIOR TO 1955.

EXTREMES. (SINCE 1945) HIGHEST, 9.82 FEET (CAUSED BY HURRICANE) ON AUG. 18, 1969. LOWEST, MINUS 3.34 FEET ON DEC. 5, 1989. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.80		1.51	0.39	0.10	1.54		1.41	1.66	1.66	1.02	1.90
2	1.18		1.30	0.33	0.39	1.66		1.24	1.52	1.18	1.24	1.33
3	0.68		1.01	0.28	1.49	1.17		1.02	1.70	1.44	1.55	1.78
4	0.10		0.98	0.03	1.22	0.84		0.95	1.18	1.27	1.79	2.81
5	-0.29		0.94	-0.46	1.04	1.31	1.32	1.00	1.05	1.60	2.08	3.24
6	-0.01		1.15	0.16	1.56		0.97	0.57	1.13	1.40	2.44	2.08
7	0.21		1.28	1.40	1.74		0.64	1.28	1.12	1.67	1.93	2.00
8	-0.10		1.74	1.31	1.39		0.77	1.35	1.02	1.81	2.44	2.10
9	0.00		1.58	1.44	2.45		1.00	1.24	1.23	2.11	2.38	1.10
10	-0.11		1.55	1.50	1.50		0.87	1.26	1.62	1.94	0.85	0.49
11	0.09		1.55	1.16	2.00		0.71	1.40	1.87	1.74	1.05	0.21
12	0.57		1.88	1.33	1.78		0.99	1.60	2.23	1.45	0.50	-0.13
13	1.46		1.65	0.91	1.07		1.09	1.87	2.22	1.20	0.21	-0.01
14	0.52	0.88	1.60	0.91	0.83		1.33	2.00	2.20	1.28	0.66	0.17
15	0.78	0.85	2.01	0.52	1.00		1.55	2.03	1.79	0.75	1.06	0.19
16	0.59	0.19	1.82	0.23	0.77		1.91	1.93	1.20	0.64	0.92	0.52
17	0.48	1.39	0.84	0.19	0.39		1.74	1.98	1.47	0.79	1.37	0.37
18	0.18	1.05	0.33	0.36	1.50		1.86	1.69	1.27	0.98	1.59	
19	0.17	0.89	-0.19	0.69	1.09		1.86	1.29	1.11	2.08	1.41	
20	-0.16	1.15	0.17	1.30	1.01		1.69	1.44	1.02	1.56	1.63	
21	0.30	1.65	-0.16	1.02	1.19		1.26	1.45	1.15	1.46	1.83	
22	0.34	1.77	-0.04	0.61	1.92		1.13	0.93	0.85	1.87	1.96	
23	0.11	1.37	0.08	1.16	2.03		0.57	0.84	1.57	1.89	1.96	
24	-0.42	1.19	0.32	1.47	1.81		0.86	0.22	2.16	1.95	2.07	
25	0.20	1.37	0.94	1.92	1.71		0.90	0.68	1.28	1.67	1.74	
26	-0.08	1.58	1.02	2.02	1.52		1.20	1.18	1.47	1.48	1.59	
27	0.47	1.59	1.45	1.72	1.47		1.50	1.87	1.29	1.59	1.66	
28	1.07	1.58	1.18	0.67	1.56		1.44	1.80	1.71	1.31	1.12	
29	1.00	-----	1.46	0.51	1.31		1.44	1.40	2.07	1.68	2.40	
30	-----	-----	0.87	0.18	1.27		1.57	0.72	2.51	1.12	2.81	
31	-----	-----	0.70	-----	1.13	-----	1.42	0.76	-----	1.21	-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.35	1.23	1.05	0.84	1.33	1.30	1.24	1.30	1.52	1.48	1.58	1.19
MAX	1.46	1.77	2.01	2.02	2.45	1.66	1.91	2.03	2.51	2.11	2.81	3.24
MIN	-0.42	0.19	-0.19	-0.46	0.10	0.84	0.57	0.22	0.85	0.64	0.21	-0.13
DAYS	29	15	31	30	31	5	27	31	30	31	30	17

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 307

THE MEAN STAGE FOR THE YEAR WAS 1.20.

HIGHEST STAGE WAS 3.53 AT 4:00 P.M. ON APR 27.

LOWEST STAGE WAS MINUS 1.64 ON JAN 11.



## DAILY STAGE FOR 1990

INNER HARBOR NAVIGATION CANAL (IHW) AT NEW ORLEANS, LA.

LOCATION. LAT. 29-57-52, LONG. 90-01-42. LAKE END OF INNER HARBOR NAVIGATION CANAL LOCK.  
(STA. 7616007.)

GAGE. STAFF TYPE.

GENERAL INFORMATION. PRIOR TO 1975 GAGE ZERO WAS MINUS 32.19 FEET, NGVD.

RECORDS AVAILABLE. MAY 17, 1922 TO DATE.

EXTREMES. HIGHEST, 10.61 FEET (FROM HIGHWATER MARK) (CAUSED BY HURRICANE BETSY) ON SEP. 10, 1965.  
LOWEST, MINUS 2.00 FEET ON APR 12, 1988. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.50	1.50	1.00	0.50	0.00	1.50	0.90	1.50	1.50	1.50	0.90	1.20
2	1.00	0.50	0.60	0.40	0.50	1.50	0.70	1.50	1.50	1.00	1.30	1.50
3	0.60	1.30	0.30	0.40	1.30	1.40	1.20	1.30	1.50	1.20	1.70	1.50
4	0.30	-0.50	0.00	0.50	1.00	1.20	1.50	1.50	1.20	1.50	1.90	1.80
5	-0.20	0.00	0.00	0.01	0.70	1.60	1.30	1.20	1.00	1.50	1.90	2.00
6	-0.20	0.00	0.50	0.01	1.50	1.50	0.70	0.70	1.30	1.70	2.80	1.00
7	0.20	0.40	0.80	1.00	1.50	1.00	0.50	1.30	1.30	1.60	2.00	1.70
8	-0.40	0.30	1.60	1.30	0.50	1.00	1.00	0.80	1.30	2.10	2.30	1.50
9	-0.20	0.90	1.60	1.30	2.50	0.90	1.00	1.10	1.50	2.30	2.30	0.00
10	0.10	0.80	1.40	1.40	1.00	0.80	0.50	1.20	1.80	1.90	0.70	-0.20
11	0.00	1.00	1.60	1.00	1.60	0.60	0.50	1.50	2.00	1.70	0.80	-0.20
12	0.40	0.40	1.70	0.80	1.60	0.60	0.90	1.70	2.20	1.40	0.30	0.00
13	0.90	0.70	1.70	0.80	0.60	0.50	0.90	1.90	2.20	1.00	0.00	0.00
14	0.50	1.00	1.60	0.80	0.50	1.00	1.00	2.00	2.00	1.20	0.50	0.00
15	0.60	1.40	1.70	0.20	0.40	0.90	1.30	2.00	1.80	1.80	0.90	0.00
16	0.60	1.60	1.50	0.10	0.30	0.50	0.70	0.80	1.00	0.80	0.90	0.60
17	0.50	0.90	1.70	-0.20	0.20	0.70	1.80	1.80	1.30	1.20	1.20	0.50
18	0.30	0.50	0.30	0.10	0.80	0.80	1.80	1.40	1.30	1.20	1.50	1.00
19	0.30	0.80	-0.20	0.30	1.00	1.30	1.70	1.30	1.30	2.10	1.50	1.10
20	0.30	1.00	0.00	1.30	0.80	1.20	1.40	1.40	1.30	1.70	1.50	1.40
21	0.10	1.80	0.10	0.90	1.40	1.20	0.80	1.30	1.40	1.70	1.70	1.60
22	-0.20	1.70	-0.20	0.50	1.70	0.80	1.10	1.00	1.20	1.70	1.90	1.40
23	-0.20	0.70	0.20	1.00	1.80	0.70	0.50	0.90	1.80	2.00	2.00	1.40
24	0.20	0.30	0.40	1.00	1.40	0.00	0.50	0.40	2.00	1.90	1.90	0.10
25	0.40	0.40	1.00	1.50	1.30	0.00	0.90	0.80	1.50	1.50	1.50	0.70
26	-0.30	1.20	1.00	1.60	1.20	0.00	1.30	0.50	1.70	1.20	1.50	0.00
27	0.40	1.40	1.20	1.50	1.00	0.10	1.60	1.80	1.40	1.30	1.50	0.60
28	0.95	1.50	0.80	0.60	1.00	0.70	1.70	1.80	1.70	1.00	1.80	0.20
29	1.20	-----	1.50	0.00	1.00	0.80	1.50	1.50	2.00	1.20	1.60	0.50
30	1.50	-----	0.90	0.00	1.40	1.30	1.80	0.80	2.50	1.00	1.80	0.00
31	0.90	-----	0.50	-----	1.20	-----	1.40	0.80	-----	1.00	-----	1.00

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.36	0.84	0.86	0.69	1.05	0.87	1.11	1.27	1.58	1.48	1.47	0.80
MAX	1.50	1.80	1.70	1.60	2.50	1.60	1.80	2.00	2.50	2.30	2.80	2.00
MIN	-0.40	-0.50	-0.20	-0.20	0.00	0.00	0.50	0.40	1.00	0.80	0.00	-0.20
DAYS	31	28	31	30	31	30	31	31	30	31	30	30

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 364  
 THE MEAN STAGE FOR THE YEAR WAS 1.03.  
 HIGHEST STAGE WAS 2.80 AT 8:00 A.M. ON NOV 6.  
 LOWEST STAGE WAS MINUS 0.50 ON FEB 4.

## DAILY STAGE FOR 1990

## INTRACOASTAL WATERWAY AT HARVEY LOCK (LA.)

LOCATION. LAT. 29-54-31, LONG. 90-05-02. ON LOCK TAILBAY (CANALSIDE) WALL. (STA. 7620007.)

GAGE. WIRE WEIGHT TYPE.

GENERAL INFORMATION. PRIOR TO 1974 GAGE ZERO WAS AT M.L.G.

RECORDS AVAILABLE. JAN. 1, 1925 TO DATE.

EXTREMES. HIGHEST, 4.74 FEET (CAUSED BY HURRICANE) ON OCT. 29, 1985. LOWEST, MINUS 1.28 FEET ON JAN. 26 AND 27, 1940. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	-0.05	0.60	1.30	1.20	1.05	1.64	0.02	0.89	0.85	1.00	1.05	1.04
2	0.07	0.50	1.30	1.03	1.09	1.86	1.07	0.85	1.06	1.17	1.15	1.31
3	0.10	1.20	1.70	1.30	1.12	1.77	0.86	0.80	1.02	1.45	1.36	1.81
4	0.40	1.20	1.80	0.75	1.68	1.68	0.82	0.88	1.47	1.59	1.41	1.14
5	0.44	0.30	1.90	0.85	1.19	1.60	0.83	0.57	1.27	1.37	1.85	1.02
6	0.65	0.40	0.95	1.02	1.51	1.62	0.90	0.58	1.12	1.26	1.29	0.95
7	0.50	0.47	0.98	0.46	0.74	1.29	0.94	0.66	1.34	1.29	1.30	0.80
8	0.45	0.74	1.24	0.50	0.94	1.24	0.93	0.76	1.14	1.39	1.05	0.61
9	0.40	1.15	1.25	0.65	0.93	1.20	0.89	0.75	1.28	1.70	1.85	0.53
10	0.50	1.52	1.51	0.84	1.46	1.40	0.86	0.63	1.20	1.70	1.25	0.50
11	0.37	0.76	1.58	0.71	1.02	1.39	0.85	0.70	1.24	0.42	0.85	0.45
12	0.26	0.61	1.69	0.40	1.10	1.17	0.92	0.94	1.30	0.16	0.80	0.49
13	-0.71	0.63	1.65	0.76	1.86	1.30	1.22	1.16	1.80	0.55	0.65	0.85
14	-0.91	1.10	1.75	0.80	2.03	1.25	0.82	1.18	1.50	0.75	0.82	1.04
15	0.00	1.65	1.80	0.96	1.81	1.12	0.60	1.17	1.30	0.60	0.85	0.98
16	0.31	1.49	1.85	0.92	1.76	1.39	0.80	1.10	1.25	1.07	0.83	0.95
17	0.35	0.90	1.61	0.85	1.61	1.10	0.89	1.10	1.30	0.93	1.05	1.02
18	0.69	0.75	1.42	0.92	1.33	1.08	0.90	1.08	1.20	1.15	0.94	1.14
19	0.67	1.00	1.30	0.76	1.47	0.79	0.80	1.30	1.19	0.70	1.19	1.06
20	0.95	0.75	0.42	0.85	1.66	0.90	0.90	1.25	1.34	0.99	1.19	1.14
21	0.81	0.82	0.46	1.00	1.56	0.95	1.10	1.15	1.30	1.20	1.21	1.25
22	0.60	1.65	0.74	1.05	1.40	1.10	1.15	1.12	1.34	1.65	1.41	1.62
23	0.61	1.58	0.80	1.05	0.89	1.25	1.15	1.08	0.96	1.55	1.50	1.77
24	0.65	1.20	1.00	1.12	1.15	1.15	1.05	0.89	0.35	1.60	1.22	0.65
25	1.21	0.80	1.05	1.55	1.02	1.00	0.90	0.43	0.42	0.86	1.42	0.32
26	1.00	0.67	0.90	1.04	1.40	1.00	0.86	0.43	0.80	0.43	1.48	0.26
27	0.55	0.71	0.40	1.04	1.40	1.02	0.84	0.58	0.79	0.44	1.60	0.64
28	0.52	0.76	0.74	1.08	1.45	0.96	0.85	0.43	0.80	0.54	1.82	0.79
29	1.06	-----	0.92	1.08	1.50	0.95	0.98	0.80	0.90	0.65	1.23	0.95
30	0.54	-----	1.09	1.70	1.51	0.06	0.87	0.86	0.93	0.88	0.81	1.26
31	0.57	-----	1.20	-----	1.58	-----	0.90	0.69	-----	0.87	-----	0.74

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.44	0.93	1.24	0.94	1.36	1.21	0.89	0.86	1.13	1.03	1.21	0.94
MAX	1.21	1.65	1.90	1.70	2.03	1.86	1.22	1.30	1.80	1.70	1.85	1.81
MIN	-0.91	0.30	0.40	0.40	0.74	0.06	0.02	0.43	0.35	0.16	0.65	0.26
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 1.01.  
 HIGHEST STAGE WAS 2.03 AT 8:00 A.M. ON MAY 14.  
 LOWEST STAGE WAS -0.91 ON JAN 14.

## DAILY STAGE FOR 1990

## INTRACOASTAL WATERWAY AT ALGIERS LOCK (LA.)

LOCATION. LAT. 29-54-43, LONG. 89-58-28. ON SOUTHWEST CORNER OF LOCK TAILBAY (CANALSIDE)  
WALL. (STA. 7624004.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. PRIOR TO 1974 GAGE ZERO WAS MINUS 0.22 FOOT, M.L.G.

RECORDS AVAILABLE. MAY 1, 1956 TO DATE.

EXTREMES. HIGHEST, 4.45 FEET (CAUSED BY HURRICANE) ON OCT. 29, 1985. LOWEST, MINUS 1.64 FEET  
(CAUSED BY HURRICANE) ON SEP. 9, 1965. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.15	0.53	0.56	1.02	1.40	1.40	1.05	0.91	0.54	1.09	0.90	0.83
2	0.13	1.33	1.29	1.15	1.41	1.72	0.92	0.68	0.80	1.24	0.87	1.10
3	0.09	0.95	0.85	0.81	1.35	1.65	0.63	0.78	0.74	1.25	1.20	1.60
4	0.10	1.20	0.63	0.45	1.50	1.38	0.67	0.58	0.90	1.45	1.40	0.95
5	0.20	0.35	0.73	0.55	1.60	1.01	0.76	0.55	0.84	1.18	1.66	0.77
6	0.35	0.68	0.75	0.75	0.80	1.01	0.90	0.58	0.98	1.01	1.20	0.84
7	0.43	0.70	0.86	0.45	0.60	1.00	0.73	0.57	1.13	1.15	1.15	0.57
8	0.20	0.45	0.65	0.30	0.80	1.00	0.64	0.67	1.17	1.10	1.03	0.47
9	0.33	0.85	0.92	0.40	1.36	1.06	0.59	0.69	0.99	1.12	1.65	0.25
10	0.30	1.20	0.80	0.55	1.24	1.00	0.59	0.79	0.99	1.70	0.87	0.12
11	0.23	0.59	0.85	0.66	0.94	1.01	0.78	0.65	0.98	0.25	0.54	0.31
12	0.20	0.32	1.30	0.41	1.40	1.00	0.85	0.75	1.30	0.60	0.40	0.50
13	-0.27	0.35	1.20	0.40	1.56	1.00	1.05	0.93	1.60	0.37	0.42	0.80
14	-0.25	0.61	1.53	0.63	1.85	1.00	0.62	0.98	1.30	0.65	0.50	0.76
15	-0.09	1.25	1.75	0.74	1.58	1.25	0.38	0.90	1.13	0.68	0.51	0.80
16	0.08	1.49	1.65	0.68	1.70	1.03	0.65	1.10	1.03	0.85	0.72	0.73
17	0.35	0.69	1.47	0.62	1.55	1.00	0.85	1.00	0.99	0.92	0.53	0.82
18	0.40	0.55	1.30	0.60	1.10	0.93	1.82	1.05	0.99	1.04	0.98	1.02
19	0.52	0.79	1.14	0.52	1.20	0.60	0.98	1.15	0.99	0.22	0.77	0.98
20	0.77	0.42	0.27	0.90	1.37	0.90	1.11	1.20	1.01	0.85	1.00	1.10
21	0.70	0.70	0.30	1.25	1.30	0.88	1.01	0.85	1.13	1.03	1.05	1.30
22	0.50	1.57	0.61	1.47	1.20	1.09	1.09	0.90	1.05	1.32	1.20	1.63
23	0.53	1.38	0.60	0.95	0.84	1.10	0.98	1.01	0.73	1.13	1.27	1.72
24	0.52	0.92	0.85	0.95	0.91	1.05	0.92	0.83	0.97	1.41	1.04	1.01
25	1.40	0.56	0.90	0.97	1.01	1.00	1.65	0.49	0.54	0.67	1.19	0.42
26	0.47	0.40	0.76	1.32	1.14	0.90	0.75	0.55	0.53	-0.10	1.33	0.24
27	0.45	0.53	0.33	1.53	1.32	0.79	0.60	0.51	0.58	0.45	1.45	0.28
28	0.35	0.68	0.49	1.54	1.40	0.90	0.70	0.70	0.72	0.46	1.70	0.60
29	0.97	-----	0.72	1.53	1.29	0.60	0.65	0.90	0.74	0.51	1.12	0.68
30	0.55	-----	1.25	1.51	1.25	0.95	0.75	0.84	0.95	0.60	0.52	0.77
31	0.40	-----	1.20	-----	1.40	-----	0.74	0.88	-----	0.70	-----	0.40

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.36	0.79	0.92	0.85	1.27	1.04	0.85	0.81	0.94	0.87	1.01	0.79
MAX	1.40	1.57	1.75	1.54	1.85	1.72	1.82	1.20	1.60	1.70	1.70	1.72
MIN	-0.27	0.32	0.27	0.30	0.60	0.60	0.38	0.49	0.53	-0.10	0.40	0.12
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
THE MEAN STAGE FOR THE YEAR WAS 0.87.  
HIGHEST STAGE WAS 1.89 AT 1:00 A.M. ON MAY 14.  
LOWEST STAGE WAS MINUS 0.44 ON JAN 13.

## DAILY STAGE FOR 1990

## BAYOU PETIT CAILLOU AT COCODRIE, LA.

LOCATION. LAT. 29-14-43, LONG. 90-39-48. ON LOUISIANA LAND AND EXPLORATION COMPANY WHARF ON NORTH BANK OF LITTLE COCODRIE BAYOU, 600 FEET WEST OF JUNCTION WITH BAYOU PETIT CAILLOU, AND AT THE END OF STATE HIGHWAY 56. (STA. 7630507.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO 1987 GAGE ZERO WAS 0.19 FOOT NGVD.

RECORDS AVAILABLE. MAR. 1969 TO SEP. 8, 1974 AND JAN. 20, 1975 TO DATE.

EXTREMES. HIGHEST, 11.64 FEET (FROM HIGH WATER MARK) IN 1974. LOWEST, MINUS 2.95 FEET ON DEC. 23, 1989. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	-0.80	0.27	0.52	0.62	0.62	1.46	0.67	1.00	0.58	0.97	0.51	-0.32
2	-0.45	0.19	0.17	0.32	0.96	1.49	0.55	0.90	0.68	0.72	0.43	-0.31
3	-0.38	0.04	-0.21	-0.36	1.25	1.19	0.58	0.83	0.74	0.98	0.58	0.50
4	-0.14	-1.07	-0.25	-0.11	0.81	1.08	0.97	0.77	0.51	0.42	0.77	-0.39
5	-0.53	-1.20	-0.46	-0.15	0.64	0.97	1.12	0.82	0.10	0.03	0.26	-0.06
6	-0.91	-0.79	-0.15	0.06	0.40	1.18	0.96	0.76	0.24	0.24	0.55	0.08
7	-0.94	-0.99	0.15	-0.22	1.02	1.18	0.95	0.72	0.05	0.41	0.56	0.37
8	-1.56	-0.50	0.25	0.42	1.40	1.26	0.55	0.42	-0.03	0.65	0.84	0.14
9	-1.31	-0.15	0.36	0.60	1.63	1.16	0.77	0.20	0.06	0.99	1.51	-0.47
10	-1.31	-0.03	0.62	0.83	1.15	1.12	0.82	0.09	0.44	-0.09	-0.02	-0.51
11	-1.24	-0.34	1.05	0.10	1.26	0.95	0.63	0.17	0.71	0.86	0.25	-0.36
12	-1.02	-0.22	1.21	0.58	1.71	0.79	0.81	0.30	1.09	0.87	-0.20	0.09
13	-1.06	0.28	1.39	0.79	1.40	0.82	0.45	0.54	1.05	0.90	-0.34	-0.75
14	-0.74	0.29	1.48	0.84	1.09	0.63	0.24	0.74	1.02	0.98	-0.33	-0.65
15	-0.63	1.12	0.91	0.31	0.91	0.87	0.41	0.96	0.95	0.71	-0.12	-0.77
16	-0.24	0.24	1.07	0.34	0.99	0.75	0.99	1.18	0.83	0.28	-0.31	-0.51
17	-0.20	-1.00	0.46	0.23	0.58	0.75	0.99	1.32	0.67	0.36	-0.17	-0.43
18	-0.18	-0.07	0.49	-0.31	0.59	0.71	1.20	1.22	0.53	0.03	0.33	-0.08
19	-0.21	-0.24	0.21	0.16	0.91	0.86	1.44	0.84	0.49	0.25	0.29	-0.23
20	-0.23	-0.46	-0.50	0.56	0.87	1.23	1.44	0.58	0.44	0.81	0.40	0.16
21	-1.15	0.04	-0.31	0.51	1.15	1.35	1.31	0.37	0.32	0.62	0.58	0.24
22	-1.20	-0.33	-0.22	0.32	0.91	1.33	1.24	-0.01	-0.05	0.66	0.71	0.34
23	-0.88	-1.10	-0.34	0.75	1.16	1.14	0.94	-0.17	-0.10	0.63	0.82	0.40
24	-0.92	-0.96	-0.19	1.02	1.51	1.01	0.60	-0.61	0.18	0.80	0.86	-0.97
25	-0.69	-0.87	0.06	1.36	1.51	0.78	0.28	-0.77	0.23	0.35	0.84	-0.29
26	-1.31	-0.44	0.03	1.56	1.49	0.55	0.41	-0.64	0.56	0.57	0.89	-0.25
27	-0.70	-0.11	0.42	1.76	1.48	0.52	0.50	-0.16	0.52	0.56	1.19	-0.40
28	-0.62	0.35	0.84	1.16	1.42	0.52	0.68	0.45	0.80	0.60	0.65	-0.60
29	-0.34	-----	1.03	1.15	1.16	0.69	0.68	0.19	0.87	0.80	-0.65	-0.59
30	-0.08	-----	1.08	0.84	1.37	0.74	0.80	0.16	1.03	0.53	-0.37	-0.69
31	0.09	-----	0.78	-----	1.41	-----	1.02	0.33	-----	0.41	-----	-0.71

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	-0.71	-0.29	0.39	0.53	1.12	0.97	0.81	0.44	0.52	0.58	0.38	-0.26
MAX	0.09	1.12	1.48	1.76	1.71	1.49	1.44	1.32	1.09	0.99	1.51	0.50
MIN	-1.56	-1.20	-0.50	-0.36	0.40	0.52	0.24	-0.77	-0.10	-0.09	-0.65	-0.97
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 0.38.

HIGHEST STAGE WAS 2.40 AT 4:00 A.M. ON NOV 9.

LOWEST STAGE WAS MINUS 1.58 ON JAN 12.

## DAILY STAGE FOR 1990

## INTRACOASTAL WATERWAY AT HOUMA, LA.

LOCATION. LAT. 29-35-56, LONG. 90-42-37. ON WEST BANK 60 FEET SOUTH OF GRAND CALLIOU ROAD BRIDGE OVER THE INTRACOASTAL WATERWAY. (STA. 7632007.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO 1977 GAGE ZERO WAS M.L.G.

RECORDS AVAILABLE. JULY 18, 1941 TO MAR. 25, 1945, NOV. 6 TO 19, 1945, AND FEB. 27, 1946 TO DATE.

EXTREMES. HIGHEST, 5.17 FEET (CAUSED BY HURRICANE) ON OCT. 29, 1985. LOWEST, (FROM INCOMPLETE RECORDS) MINUS 0.80 FOOT ON DEC. 24, 1989. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.04	1.39	1.85	2.15	2.22	2.50	2.00	1.82	1.65	1.80	1.75	1.74
2	0.90	1.58	2.05	2.17	2.23	2.60	1.95	1.81	1.72	1.79	1.89	1.85
3	0.85	1.63	1.91	2.05	2.40	2.52	1.78	1.69	1.77	2.07	2.06	2.50
4	0.93	1.68	1.85	1.90	2.40	2.45	1.86	1.62	1.80	2.09	2.22	2.13
5	0.92	1.25	1.88	1.90	2.32	2.28	1.90	1.53	1.68	1.83	2.27	1.93
6	1.26	1.30	1.90	1.97	2.14	2.23	1.93	1.54	1.86	1.93	2.15	1.80
7	1.17	1.43	2.00	1.80	1.95	2.23	1.87	1.56	1.97	2.03	2.10	1.82
8	1.05	1.54	2.07	1.85	2.05	2.22	1.72	1.55	2.00	2.07	2.00	1.42
9	1.00	1.95	2.16	1.84	2.45	2.24	1.75	1.50	1.97	2.13	2.30	1.23
10	1.00	2.00	2.25	1.90	2.29	2.20	1.76	1.45	1.96	1.78	1.80	1.02
11	0.94	1.72	2.30	1.86	2.17	2.15	1.80	1.65	2.02	1.50	1.43	0.94
12	0.97	1.53	2.36	1.67	2.30	2.11	1.88	1.77	2.25	1.57	1.36	1.34
13	0.63	1.54	2.36	1.71	2.37	2.07	1.86	1.89	2.20	1.36	1.15	1.40
14	0.84	1.60	2.41	1.84	2.45	2.11	1.69	1.54	2.15	1.54	1.40	1.35
15	0.85	2.05	2.52	1.80	2.40	2.15	1.63	1.98	2.00	1.50	1.55	1.35
16	0.97	2.10	2.63	1.77	2.35	2.18	1.82	1.99	1.90	1.55	1.62	1.44
17	1.10	1.85	2.56	1.74	2.30	2.15	1.85	2.03	1.85	1.72	1.67	1.48
18	1.15	1.70	2.35	1.70	2.12	2.07	1.81	2.10	1.81	1.79	1.72	1.84
19	1.25	1.93	2.26	1.65	2.15	1.98	1.83	2.04	1.89	1.53	1.87	1.67
20	1.35	1.82	2.01	1.92	2.25	2.05	1.87	1.94	1.85	1.84	1.92	1.80
21	1.55	1.91	1.79	2.04	2.32	2.09	1.90	1.84	1.94	1.92	2.00	1.90
22	1.35	2.55	1.80	1.97	2.18	2.11	1.93	1.85	1.88	2.12	2.10	1.99
23	1.27	2.44	1.76	1.95	2.08	2.12	1.92	1.79	1.64	1.87	2.12	2.06
24	1.35	2.20	1.87	1.98	2.05	2.06	1.85	1.57	1.35	1.87	2.04	1.49
25	1.70	1.95	1.94	2.09	2.10	2.02	1.67	1.40	1.65	1.64	2.00	1.16
26	1.33	1.78	1.85	2.17	2.16	1.95	1.63	1.42	1.73	1.40	2.00	1.13
27	1.36	1.79	1.70	2.27	2.27	1.94	1.67	1.54	1.69	1.52	2.15	1.23
28	1.33	1.84	1.80	2.35	2.30	1.93	1.84	1.70	1.70	1.46	2.23	1.35
29	1.54	-----	1.86	2.29	2.35	1.90	1.85	1.76	1.76	1.57	1.92	1.50
30	1.50	-----	2.11	2.30	2.35	2.04	1.80	1.65	1.76	1.50	1.48	1.61
31	1.40	-----	2.20	-----	2.42	-----	1.85	1.65	-----	1.57	-----	1.55

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.16	1.79	2.08	1.95	2.25	2.15	1.82	1.73	1.85	1.74	1.88	1.58
MAX	1.70	2.55	2.63	2.35	2.45	2.60	2.00	2.10	2.25	2.13	2.30	2.50
MIN	0.63	1.25	1.70	1.65	1.95	1.90	1.63	1.40	1.35	1.36	1.15	0.94
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 1.83.

HIGHEST STAGE WAS 2.73 AT 4:00 A.M. ON MAR 16.

LOWEST STAGE WAS 0.55 ON JAN 13.

## DAILY STAGE FOR 1990

## BAYOU BOEUF (IWM) AT BAYOU BOEUF LOCK (LA.) (EAST)

LOCATION. LAT. 29-40-59, LONG. 91-10-25. ON GUARDRAIL AT LANDSIDE END OF LOCK, 2.5 MILES EAST OF MORGAN CITY, LA. (STA. 7636010.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. PRIOR TO 1976 GAGE ZERO WAS M.L.G.

RECORDS AVAILABLE. SEP. 8, 1954 TO DATE.

EXTREMES. HIGHEST, 4.68 FEET ON APR. 17, 1973. LOWEST, MINUS 1.14 FEET ON DEC. 24, 1989. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.19	1.92	3.07	3.03	2.71	3.31	3.15	2.17	1.80	1.68	1.22	1.38
2	1.09	2.15	3.14	3.05	2.80	3.40	3.12	2.27	1.87	1.62	1.26	1.45
3	0.97	1.97	2.95	2.94	2.96	3.30	3.05	2.18	2.02	1.91	1.37	2.34
4	0.93	2.09	3.05	2.92	2.90	3.41	3.01	2.37	1.91	1.75	1.81	1.76
5	0.86	1.77	3.11	3.00	2.83	3.38	3.03	2.12	1.73	1.57	1.71	1.68
6	1.03	1.99	3.10	3.04	2.63	3.33	3.03	1.88	1.89	1.75	2.01	1.84
7	1.12	2.07	3.27	2.81	2.69	3.36	2.96	1.87	1.95	1.90	1.97	1.89
8	1.07	2.25	3.22	2.89	2.68	3.39	2.88	1.77	1.90	1.95	1.78	1.40
9	1.18	2.52	3.28	2.88	2.98	3.40	2.88	1.59	1.88	1.93	2.46	1.30
10	1.24	2.63	3.33	2.91	2.87	3.37	2.88	1.60	1.81	1.32	1.62	1.18
11	1.18	2.41	3.37	2.71	2.76	3.36	2.84	1.90	2.13	1.24	1.32	1.05
12	1.40	2.38	3.40	2.54	2.89	3.30	2.82	1.62	2.18	1.21	1.35	1.33
13	1.03	2.48	3.33	2.60	2.92	3.40	2.77	1.82	2.16	0.93	1.04	1.41
14	1.34	2.47	3.40	2.60	2.87	3.40	2.62	2.09	2.09	1.11	1.25	1.40
15	1.25	2.68	3.53	2.47	2.94	3.38	2.55	2.25	1.95	1.37	1.28	1.22
16	1.38	2.84	3.42	2.50	3.02	3.42	2.67	2.03	2.06	1.17	1.28	1.44
17	1.47	2.61	3.19	2.50	2.96	3.42	2.76	2.23	1.83	1.41	1.41	1.44
18	1.38	2.63	3.13	2.37	2.99	3.42	2.54	2.41	1.61	1.40	1.45	1.30
19	1.41	2.80	3.06	2.44	3.13	3.38	2.65	2.20	1.83	1.05	1.62	1.66
20	1.62	2.69	2.91	2.53	3.30	3.43	2.50	2.32	1.71	1.47	1.61	1.73
21	1.57	2.88	2.84	2.51	3.18	3.40	2.49	2.09	1.87	1.48	1.66	1.84
22	1.46	3.21	2.98	2.54	3.18	3.46	2.29	2.13	1.80	1.88	1.88	1.93
23	1.57	3.18	2.89	2.58	3.11	3.45	2.52	2.19	1.41	1.57	1.86	1.86
24	1.62	3.04	2.94	2.60	3.12	3.41	2.44	1.79	1.07	1.59	1.81	1.54
25	2.03	2.97	2.98	2.65	3.14	3.31	2.21	1.49	1.47	1.33	1.66	1.28
26	1.62	2.92	2.91	2.71	3.14	3.26	2.09	1.25	1.48	1.14	1.64	1.25
27	1.96	3.04	2.83	2.82	3.20	3.20	2.14	1.63	1.67	1.12	1.80	1.40
28	1.92	3.05	2.91	2.77	3.19	3.17	2.23	1.85	1.50	1.12	1.77	1.51
29	2.32	-----	2.91	2.76	3.22	3.19	2.39	1.93	1.55	0.93	1.29	1.73
30	2.10	-----	3.08	2.75	3.24	3.23	2.22	1.80	1.58	1.18	1.05	1.85
31	1.97	-----	3.06	-----	3.28	-----	1.98	2.05	-----	1.10	-----	1.97

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.43	2.56	3.12	2.71	2.99	3.35	2.64	1.96	1.79	1.42	1.58	1.58
MAX	2.32	3.21	3.53	3.05	3.30	3.46	3.15	2.41	2.18	1.95	2.46	2.34
MIN	0.86	1.77	2.83	2.37	2.63	3.17	1.98	1.25	1.07	0.93	1.04	1.05
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 2.26.

HIGHEST STAGE WAS 3.55 AT 3:45 P.M. ON JUN 23.

LOWEST STAGE WAS 0.69 ON OCT 26.

## DAILY STAGE FOR 1990

## BAYOU BOEUF (1W) AT BAYOU BOEUF LOCK (LA.) (WEST)

LOCATION. LAT. 29-40-59, LONG. 91-10-34. ON GUARDRAIL AT FLOODWAY END OF LOCK, 2.5 MILES EAST OF MORGAN CITY, LA. (STA. 7640010.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. PRIOR TO 1976 GAGE ZERO WAS M.L.G.

RECORDS AVAILABLE. SEP. 8, 1954 TO DATE.

EXTREMES. HIGHEST, 10.56 FEET ON MAY 27, 1973. LOWEST, MINUS 1.98 FEET ON NOV. 8, 1959. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.08 G	3.25 G	5.19 G	5.35 G	4.60 G	6.04 G	5.53 G	3.65	1.76	1.63	1.80	1.80
2	0.99 G	3.40 G	5.39 G	5.43 G	4.70 G	6.29 G	5.48	3.16	2.14	1.52	2.20	1.80
3	0.89 G	3.11 G	5.25 G	5.35 G	4.50 G	5.93 G	5.19	3.22	2.20	1.85	2.30	3.20
4	0.87 G	3.10 G	5.17 G	5.30 G	4.70 G	6.30 G	5.20	3.14	2.17	2.14	2.70	2.00
5	0.74 G	3.00 G	5.31 G	5.34 G	4.70 G	6.33 G	4.98	3.16	1.99	1.45	2.60	2.00
6	0.92 G	3.27 G	5.20 G	5.37 G	4.50 G	6.43 G	5.07	3.56	2.12	2.10	1.73	1.77
7	1.00 G	3.40 G	5.37 G	5.12 G	4.50 G	6.50 G	4.88	3.32	2.26	2.20	1.87	1.73
8	0.93 G	3.69 G	5.79 G	5.15 G	4.50 G	6.48 G	4.78	2.87	2.17	2.20	1.47	1.35
9	1.11 G	3.90 G	5.70 G	5.15 G	5.00 G	6.55 G	4.87	3.02	2.17	2.40 G	2.87	1.27
10	1.16 G	4.25 G	5.77 G	5.19 G	4.60 G	6.63 G	4.63	2.83	2.55	1.40	1.31	1.09
11	1.17 G	3.87 G	5.86 G	4.90 G	4.60 G	6.69 G	4.58	2.72	2.36	1.30	0.89	1.14
12	1.41 G	4.11 G	5.82 G	4.90 G	4.80 G	6.70 G	4.52	3.11	2.29	1.60	0.94	1.81
13	1.09 G	4.18 G	5.67 G	4.80 G	5.00 G	6.80 G	4.27	3.24	2.27	1.10	0.63	1.66
14	1.45 G	4.18 G	5.73 G	4.80 G	5.00 G	6.68 G	4.19	2.88	2.10	1.50	0.86	1.63
15	1.89 G	4.54 G	5.87 G	4.80 G	5.00 G	6.87 G	3.83	3.08	2.26	1.70	0.98	1.70
16	1.48 G	4.45 G	5.64 G	4.70 G	5.10 G	6.97 G	3.85	3.21	2.15	1.80	0.98 G	2.23
17	2.00 G	4.51 G	5.42 G	4.70 G	5.20 G	7.07 G	3.29	3.24	2.13	1.90	1.03 G	2.31
18	1.90 G	4.41 G	5.31 G	4.50 G	5.15 G	6.83 G	3.15	3.23	2.42	2.00	1.05 G	2.60
19	G 2.14 G	4.73 G	5.34 G	4.60 G	5.24 G	6.92 G	3.01	3.16	2.10	1.50	1.23 G	2.39
20	G 2.20 G	4.70 G	5.17 G	4.50 G	5.31 G	6.97 G	3.47	2.96	1.99	2.00	1.19 G	2.46
21	G 2.37 G	4.95 G	5.14 G	4.50 G	5.30 G	6.96 G	3.47	3.03	1.96	2.30	1.52 G	2.59
22	G 2.17 G	5.32 G	5.16 G	4.40 G	5.41 G	6.32 G	3.45	3.13	1.94	2.40	1.51 G	2.38
23	G 2.34 G	5.19 G	5.04 G	4.50 G	5.49 G	6.22 G	3.34	2.88	1.51	2.20	1.53 G	2.83
24	G 2.33 G	4.96 G	5.16 G	4.50 G	5.58 G	5.88 G	3.32	2.57	1.21	2.00	1.41 G	1.91
25	G 2.95 G	5.04 G	5.26 G	4.50 G	5.55 G	5.90 G	3.52	2.50	1.46	1.90	1.30 G	2.62
26	G 2.66 G	5.03 G	5.10 G	4.40 G	5.67 G	5.72 G	3.54	2.50	1.59	1.90	1.32 G	2.60
27	G 3.00 G	5.06 G	5.27 G	4.50 G	5.86 G	5.64 G	3.06	2.39	1.53	1.80	1.38 G	2.86
28	G 3.03 G	5.19 G	5.38 G	4.80 G	5.66 G	5.60 G	3.79	2.62	1.59	1.80	1.19 G	2.93
29	G 3.54	----- G	5.29 G	4.50 G	5.65 G	5.27	3.15	2.81	1.51	1.80	1.60 G	3.24
30	G 3.49	----- G	5.42 G	4.60 G	5.75 G	5.52 G	3.55	2.79	1.59	1.80	1.30 G	3.37
31	G 3.36	----- G	5.40	----- G	5.90	----- G	3.49	2.31	-----	1.90	----- G	3.76

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.86	4.24	5.41	4.84	5.11	6.37	4.08	2.98	1.98	1.84	1.49	2.23
MAX	3.54	5.32	5.87	5.43	5.90	7.07	5.53	3.65	2.55	2.40	2.87	3.76
MIN	0.74	3.00	5.04	4.40	4.50	5.27	3.01	2.31	1.21	1.10	0.63	1.09
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

G=GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 3.53.

HIGHEST STAGE WAS 7.31 AT 6:00 A.M. ON JUN 19.

LOWEST STAGE WAS 0.53 ON NOV 13.

## DAILY STAGE FOR 1990

## INTRACOASTAL WATERWAY AT WAX LAKE EAST CONTROL STRUCTURE (LA.)

LOCATION. LAT. 29-38-27, LONG. 91-19-22. ON FLOODWAY SIDE (SOUTH) FACE OF STRUCTURE AT WAX LAKE EAST PROTECTION LEVEE, 4.7 MILES SOUTHEAST OF CALUMET, LA. (STA. 7644010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JULY 19, 1955 TO JULY 17, 1979, AND JUNE 22, '82 TO DATE.

EXTREMES. HIGHEST, 8.52 FEET (CAUSED BY HURRICANE) ON JUNE 27, 1957. LOWEST, MINUS 2.08 FEET ON JAN. 11, 1956.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		3.20	4.01	3.90	3.37	4.43	4.06					
2		3.46	4.04	3.92	3.46	4.71	4.05	2.75				
3		3.44	3.90	3.80	3.77	4.60	3.86					
4		3.42	3.94	3.78	3.70	4.59	3.86					
5		3.13	4.04	3.92	3.50	4.50	3.95					
6		2.67	4.10	4.00	3.24	4.60	3.84					
7		2.70	4.17	3.65	3.43	4.65	3.67					
8		2.92	4.26	3.82	3.63	4.63	3.53					
9			4.26	3.87	4.29	4.62	3.61					
10			4.29	3.92	3.64	4.62	3.55					
11			4.33	3.70	3.74	4.60	3.44					
12			4.42	3.48	4.01	4.59	3.40					
13			4.26	3.60	3.95	4.63	3.20					
14			4.25	3.62	3.74	4.57	2.99					
15			4.33	3.43	3.78	4.64	2.91					
16	B		4.10	3.40	3.96	4.72	3.10					
17			3.94	3.40	3.91	4.68	3.24					
18	F	2.16	3.80	3.15	3.76	4.64	3.15					
19	F	2.15	3.78	3.19	3.95	4.58	3.20					
20		2.62	3.54	3.43	4.21	4.65	3.10					
21		2.87 F	3.70	3.55	3.47	4.17	4.68	3.16				
22		2.45	4.26	3.79	3.43	4.06	4.77	3.13	2.60			
23		2.45	4.05	3.66	3.50	3.98	4.56	3.04				
24	F	2.15	3.80	3.75	3.63	4.21	4.44					
25		3.30	3.80	3.82	3.71	4.22	4.36					
26	F	2.20	3.89	3.73	3.78	4.20	4.24					
27		3.39	4.00	3.68	3.81	4.26	4.15					
28		3.21	3.99	3.95	3.70	4.20	4.05					
29		3.87	-----	3.91	3.60	4.20	4.06					
30		3.47	-----	4.10	3.54	4.30	4.20					
31		3.22	-----	3.95	-----	4.40	-----					

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.82	3.53	3.99	3.64	3.91	4.53	3.44	2.68				
MAX	3.87	4.26	4.42	4.00	4.40	4.77	4.06	2.75				
MIN	2.15	2.67	3.54	3.15	3.24	4.05	2.91	2.60				
DAYS	14	16	31	30	31	30	23	2	0	0	0	0

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 177

B=CHANNEL DRY F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 3.79.

HIGHEST STAGE WAS 4.77 AT 8:00 A.M. ON JUN 22.

LOWEST STAGE WAS NOT DETERMINED.



## DAILY STAGE FOR 1990

WAX LAKE EAST BORROW PIT (LS) NEAR CALUMET, LA. (NORTH)

LOCATION. LAT. 29-42-08, LONG. 91-22-04. ON EAST WALL AT NORTH END OF SIPHON UNDER BAYOU TECHE, 300 FEET EAST OF EAST CALUMET FLOODGATE. (STA. 7646010.)

GAGE. STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1970, 1972, AND 1974 TO DATE.

STAGE IN FEET							GAGE ZERO IS AT NGVD (1983 ADJ.)					
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					-2.50							
2	-2.30									-3.30		
3				-2.38								
4									-3.30			-1.50
5		-2.50				-2.75						
6											-3.40	
7			-2.50					-3.05				
8					-2.40							
9	-1.80			-2.18								
10												
11									-3.30			-2.50
12												
13			-2.50					-3.10			-3.05	
14		-2.25										
15					-2.15							
16	-2.50									-3.50		
17				-2.27			-2.50					
18									-2.65			-3.00
19												
20			-2.25									
21		-2.30									-3.00	
22					-2.10			-3.35				
23										-3.35		
24												
25	-2.35					-2.75	-3.37		-3.15			
26											-3.00	-2.60
27		-2.00	-2.08									
28								-3.30				
29					-2.80							
30	-2.30	-----								-3.45	-----	
31		-----		-----		-----	-3.50		-----		-----	

## DAILY STAGE FOR 1990

## WAX LAKE EAST DRAINAGE AREA AT CONTROL STRUCTURE (LA.)

LOCATION. LAT. 29-38-32, LONG. 91-19-22. ON LANDSIDE (NORTH) FACE OF STRUCTURE AT WAX LAKE EAST PROTECTION LEVEE, 4.7 MILES SOUTHEAST OF CALUMET, LA. (STA. 7648010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JULY 19, 1955 TO DATE.

EXTREMES. HIGHEST, 2.15 FEET ON MAY 3, 1957. LOWEST, MINUS 3.70 FEET ON JUN. 3, 1986.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	-2.01	-2.18	-2.01			-2.87	-2.97	-3.00	-2.99	-3.19		
2	-2.10	-2.39	-1.96			-2.78	-2.97	-2.98	-3.11	-3.18		
3	-1.77	-2.14	-2.01			-2.74	-2.96	-2.98	-3.16	-3.19		
4	-2.31	-1.90				-2.86	-2.87	-2.98	-3.18	-3.19		
5	-2.05	-2.49				-2.94	-2.87	-2.98	-3.17	-3.19		
6	-2.44	-2.29				-2.89	-2.86	-2.98	-3.18	-3.19		
7	-1.71	-2.14				-2.86	-2.93	-2.98	-3.19	-3.18		
8	-2.38	-2.24				-2.93	-2.94	-2.98	-3.18	-3.19		
9	-1.67	-2.02				-2.90	-2.91	-2.98	-3.18	-3.18		
10	-2.14	-2.27				-2.82	-2.86	-2.99	-3.18	-3.19		
11	-2.07	-2.26				-2.75	-2.95	-3.02	-3.15	-3.19		
12	-2.50	-2.64				-2.88	-2.96	-3.04	-2.95	-3.19		
13	-2.25	-2.12				-2.92	-2.95	-3.22	-2.77	-3.23		
14	-2.03	-2.37				-2.93	-2.94	-3.22	-2.72	-3.24		
15	-2.04	-2.35			-1.93	-2.91	-2.94	-3.22	-2.59	-3.24		
16	-2.22	-2.46			-1.90	-2.84	-2.94	-3.22	-2.56	-3.24		
17	-2.05	-2.22			-1.86	-2.78	-2.94	-3.22	-2.69	-3.24		
18	-1.93	-2.38			-1.79	-2.75	-2.95	-3.22	-2.57	-3.24		
19	-2.24	-2.55			-1.77	-2.86	-2.97	-3.22	-2.62	-3.23		
20	-2.07	-2.03			-1.95	-2.89	-2.98	-3.22	-2.63	-3.22		
21	-1.72	-2.24			-2.10	-2.94	-2.99	-3.22	-2.68	-3.22		
22	-2.36	-2.33			-2.01	-2.83	-2.99	-3.14	-2.78	-3.17		
23	-2.10	-2.04			-1.95	-2.91	-2.99	-3.13	-2.84			
24	-2.28	-1.86			-1.98	-2.93	-2.99	-3.12	-2.96			
25	-1.89	-2.30			-2.25	-2.94	-2.99	-3.10	-3.10			
26	-2.06	-2.24			-2.38	-2.93	-2.99	-3.10	-3.18			
27	-2.43	-2.03			-2.49	-2.86	-2.99	-3.10	-3.19			
28	-2.16	-2.23			-2.64	-2.77	-2.99	-3.10	-3.19			
29	-1.94	-----			-2.70	-2.85	-2.99	-3.11	-3.18			
30	-2.17	-----			-2.84	-2.92	-2.99	-3.11	-3.19			
31	-2.29	-----		-----	-2.91	-----	-2.99	-2.98	-----		-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	-2.11	-2.24	-1.99		-2.20	-2.87	-2.95	-3.09	-2.97	-3.21		
MAX	-1.67	-1.88	-1.96		-1.77	-2.74	-2.86	-2.98	-2.56	-3.17		
MIN	-2.50	-2.64	-2.01		-2.91	-2.94	-2.99	-3.22	-3.19	-3.24		
DAYS	31	28	3	0	17	30	31	31	30	22	0	0

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 223

THE MEAN STAGE FOR THE YEAR WAS MINUS 2.71.

HIGHEST STAGE WAS MINUS 1.55 AT NOON ON MAR 27.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS MINUS 3.24 ON OCT 13 AND LATER DATE(S).

## DAILY STAGE FOR 1990

## INTRACOASTAL WATERWAY AT WAX LAKE WEST CONTROL STRUCTURE (LA.)

LOCATION. LAT. 29-40-17, LONG. 91-26-58. ON FLOODWAY SIDE (SOUTH) FACE OF STRUCTURE AT WAX LAKE WEST PROTECTION LEVEE, FIVE MILES SOUTHWEST OF CALUMET, LA. (STA. 7656010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. STAGE, JULY 19, 1955 TO NOV. 18, 1975 AND JAN. 20, 1976 TO DATE.

EXTREMES. HIGHEST, 7.35 FEET (CAUSED BY HURRICANE) ON JUNE 27, 1957. LOWEST, MINUS 2.38 FEET ON JAN. 13, 1964.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.72	1.83	2.96	2.75	2.43	3.40	2.70	2.35	2.16	2.00	1.35	1.05
2	0.82	1.72	2.81	2.80	2.60	3.75	2.74	2.37	1.99	1.75	1.50	1.00
3	0.73	1.62	2.53	2.55	3.13	3.51	2.46	2.20	2.06	2.45	1.75	2.75
4	0.54	1.30	2.57	2.46	2.86	3.48	2.55	2.10	1.93	2.05	2.25	0.75
5	0.10	1.00	2.75	2.76	2.50	3.30	2.72	2.04	1.50	1.08	1.75	1.40
6	0.05	1.65	2.87	2.95	2.09	3.38	2.76	1.90	2.00	1.65	1.95	1.60
7	0.20	1.55	3.00	2.25	2.40	3.46	2.53	1.90	1.95	1.95	1.94	1.55
8	-0.05	1.93	3.14	2.68	2.84	3.42	2.25	1.46	1.75	2.15	1.86	0.85
9	0.48	2.34	3.14	2.85	3.64	3.43	2.50	1.60	1.93	2.44	3.42	0.73
10	0.46	2.55	3.15	2.95	2.72	3.40	2.49	1.95	2.10	0.37	0.67	0.55
11	0.51	1.90	3.24	2.49	2.92	3.29	2.35	2.04	2.50	1.65	0.85	0.45
12	0.80	1.93	3.34	2.24	3.39	3.20	2.38	1.96	2.68	1.64	0.93	1.05
13	0.44	2.34	3.35	2.50	3.29	3.30	2.05	2.30	2.49	1.15	0.45	0.85
14	0.93	2.22	3.25	2.60	2.85	3.25	1.89	2.39	2.26	1.39	0.75	0.85
15	1.05	3.04	3.27	2.23	2.80	3.35	1.79	2.42	1.91	1.30	0.90	0.90
16	1.17	2.66	3.05	2.24	3.00	3.37	2.14	2.40	1.80	1.29	0.95	1.15
17	1.12	1.90	2.75	2.33	2.80	3.36	2.42	2.59	1.79	1.36	0.95	1.30
18	0.95	2.14	2.57	1.89	2.50	3.24	2.55	2.70	1.70	1.30	1.35	1.70
19	1.00	2.31	2.55	2.02	2.85	3.15	2.56	2.36	1.84	0.66	1.50	1.40
20	1.09	2.19	2.06	2.36	3.16	3.28	2.45	2.12	1.80	1.70	1.45	1.75
21	0.65	2.59	2.23	2.47	3.14	3.35	2.55	2.03	1.97	1.70	2.00	2.05
22	0.65	3.33	2.64	2.37	2.90	3.43	2.59	2.20	1.54	1.60	2.15	1.98
23	0.89	2.90	2.43	2.45	2.79	3.24	2.45	1.94	0.73	1.55	2.10	1.62
24	0.99	2.50	2.62	2.65	3.18	3.15	2.13	1.35	1.11	1.70	1.95	0.25
25	1.50	2.41	2.75	3.05	3.22	3.10	1.90	1.20	1.63	1.15	1.70	1.05
26	0.96	2.65	2.54	3.10	3.26	2.92	1.73	1.20	1.80	1.50	1.75	1.05
27	1.75	2.83	2.55	3.00	3.35	2.80	1.95	1.50	1.75	1.43	2.05	1.25
28	1.60	2.92	2.93	2.87	3.19	2.67	2.10	1.90	1.90	1.28	1.65	1.30
29	2.17	-----	2.95	2.97	3.05	2.74	1.99	1.95	1.70	1.17	0.35	1.65
30	2.10	-----	3.15	2.75	3.19	2.90	1.80	1.70	1.99	1.20	0.40	1.77
31	1.77	-----	2.90	-----	3.34	-----	2.11	2.23	-----	1.10	-----	1.65

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.91	2.22	2.84	2.59	2.95	3.25	2.31	2.01	1.88	1.51	1.49	1.27
MAX	2.17	3.33	3.35	3.10	3.64	3.75	2.76	2.70	2.68	2.45	3.42	2.75
MIN	-0.05	1.00	2.06	1.89	2.09	2.67	1.73	1.20	0.73	0.37	0.35	0.25
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 2.10.  
 HIGHEST STAGE WAS 3.76 AT 7:30 A.M. ON JUN 2.  
 LOWEST STAGE WAS MINUS 0.25 ON JAN 8.

## DAILY STAGE FOR 1990

## FRESHWATER CANAL ABOVE BEEF RIDGE (LA.)

LOCATION. LAT. 29-33-18, LONG. 92-18-19. ABOUT 200 FEET NORTH OF FRESHWATER BAYOU LOCK.  
(STA. 7659017.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. FEB. 13, 1963 TO JAN. 8, 1966, AND FEB. 23, 1967 TO DATE. PRIOR TO JULY 25, 1967, GAGE WAS LOCATED AT BELLE ISLE CANAL.

EXTREMES. HIGHEST, 7.45 FEET ON SEP. 16, 1971 (CAUSED BY HURRICANE). LOWEST (FROM INCOMPLETE RECORD) MINUS 2.9 FEET ON JAN. 8, 1970 AND JAN. 15, 1972.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G. (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1 G	1.25 G	2.50 G	2.30 G	2.31 G	2.60 G	3.15 G	2.99	3.00	2.58	2.85	2.31 G	3.10
2 G	1.80 G	2.60 G	2.30 G	2.40 G	3.00 G	3.96 G	2.97	2.90	3.10	2.59	2.30 G	2.80
3 G	1.80 G	2.35 G	2.85 G	2.05 G	3.97 G	3.62 G	2.38	2.60	3.09	3.40	2.19 G	3.83
4 G	1.80 G	2.10 G	1.92 G	1.96 G	3.40 G	3.45 G	2.62	2.30	2.73	2.30	2.50 G	1.49
5 G	1.60 G	1.50 G	2.20 G	2.55 G	2.85 G	2.50 G	2.70	2.05	2.17	1.83	0.60 G	2.70
6 G	1.95 G	2.82 G	2.75 G	3.25 G	1.99 G	2.70 G	2.45	2.35	2.50	2.20	2.18 G	3.10
7 G	2.00 G	2.34 G	2.94 G	1.70 G	2.79 G	2.95 G	2.20	2.40	2.60	2.37	2.20 G	3.48
8 G	1.30 G	2.95 G	3.30 G	3.01 G	3.44 G	2.67 G	1.70 G	1.87	2.25	2.55	2.90 G	1.40
9 G	2.00 G	3.20 G	3.31 G	3.35 G	3.95 G	2.60 G	1.92 G	2.00	2.40	2.79	2.56 G	1.85
10 G	1.85 G	3.00 G	3.45 G	3.00 G	2.60 G	2.40 G	2.10 G	2.05	2.95	1.17	1.20 G	1.72
11 G	1.75 G	2.00 G	3.59 G	2.25 G	2.90 G	1.80 G	1.91 G	2.50	3.15	0.83	2.00 G	1.55
12 G	2.20 G	2.05 G	3.68 G	1.86 G	3.90 G	1.80 G	2.20 G	2.53	3.29	2.57	1.79 G	2.57
13 G	1.50 G	2.60 G	3.45 G	2.50 G	3.01 G	1.90	1.90 G	2.96	3.52	2.41	1.38 G	2.10
14 G	2.60 G	2.45 G	3.77 G	2.28 G	2.50 G	2.20 G	1.27	3.28 G	3.15	2.60	1.70 G	1.92
15 G	2.10 G	2.93 G	3.10 G	1.47 G	2.65 G	2.29 G	2.08	3.50 G	2.60	2.41	1.99 G	2.16
16 G	2.00 G	2.85 G	2.54 G	1.50 G	3.02 G	2.70 G	3.20	3.29 G	2.78	2.25	1.75 G	2.45
17 G	2.05 G	2.10 G	2.02 G	2.01 G	2.70 G	2.90 G	3.43	3.38 G	2.78	2.45	2.64 G	2.60
18 G	1.90 G	2.35 G	2.00 G	1.80 G	2.30 G	2.92 G	3.29	3.47 G	2.90	1.00 G	3.30 G	3.10
19 G	2.00 G	2.25 G	2.15 G	2.20 G	3.00 G	2.55 G	3.00	2.91 G	3.00	1.50 G	3.09 G	2.71
20 G	2.10 G	2.24 G	1.60 G	3.47 G	3.70 G	2.80	2.83	2.50 G	3.01	2.55 G	3.30 G	3.11
21 G	1.40 G	2.75 G	1.90 G	3.41 G	3.34 G	2.60 G	2.60	2.50 G	3.19	2.34 G	3.67 G	3.40
22 G	1.60 G	3.18 G	2.50 G	3.10 G	2.95 G	2.60 G	2.43	2.48 G	2.69	1.90 G	3.52 G	2.85
23 G	2.20 G	2.39 G	2.29 G	3.00 G	2.20 G	1.90 G	2.15	2.60 G	2.11	2.37 G	3.09 G	2.18
24 G	1.90 G	1.50 G	2.70 G	3.35 G	2.74 G	1.65 G	1.90	2.00 G	1.90	2.49 G	2.99 G	-0.51
25 G	2.47 G	1.88 G	3.07 G	3.70 G	2.60 G	1.90 G	1.70	1.81 G	3.03	1.51 G	2.90 G	1.79
26 G	1.27 G	2.48 G	2.60 G	3.71 G	2.40 G	1.43 G	1.85	1.80 G	3.15	2.20 G	2.91 G	2.20
27 G	2.94 G	2.90 G	2.18 G	3.19 G	2.40 G	1.59 G	2.50	2.52	2.70	2.55 G	3.49 G	2.30
28 G	2.84 G	2.60 G	2.70 G	1.96 G	2.50 G	1.90 G	2.93	2.97	2.80	2.31 G	3.15 G	1.89
29 G	2.40	-----	2.75 G	1.91 G	2.40 G	2.55 G	3.04	2.80	2.80	2.75 G	2.40 G	2.52
30 G	2.90	-----	2.94 G	2.30 G	3.10 G	3.20	2.69	2.40	3.10	2.52 G	2.00 G	2.49
31 G	2.05	-----	2.30	-----	3.30	-----	3.00	2.33	-----	2.01	-----	1.90

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.98	2.46	2.68	2.55	2.91	2.51	2.45	2.58	2.80	2.24	2.47	2.35
MAX	2.94	3.20	3.77	3.71	3.97	3.96	3.43	3.50	3.52	3.40	3.67	3.83
MIN	1.25	1.50	1.60	1.47	1.99	1.43	1.27	1.80	1.90	0.83	0.60	-0.51
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

G=GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 2.50.

HIGHEST STAGE WAS 5.20 AT 8:30 P.M. ON MAR 14.

LOWEST STAGE WAS MINUS 0.90 ON DEC 24.

## DAILY STAGE FOR 1990

## FRESHWATER CANAL AT FRESHWATER BAYOU LOCK (LA.) (NORTH)

LOCATION. LAT. 29-33-16, LONG. 92-18-20. ON NORTH SIDE OF LOCK. (STA. 7659217.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. JULY 1968 TO DATE.

EXTREMES. HIGHEST, 5.20 FEET (CAUSED BY HURRICANE) ON AUG. 15, 1985. LOWEST, MINUS 2.9 FEET ON JAN. 8, 1970 AND JAN. 15, 1972.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G. (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.30 G	2.40 G	2.20 G	2.40 G	2.90 G	3.10 G	3.00	2.90	2.30	2.80	2.20 G	3.20
2	1.50 G	2.50 G	2.40 G	2.40 G	3.10 G	3.90 G	2.70	2.80	2.50	2.60	2.20 G	2.90
3	1.80 G	2.50 G	1.80 G	2.15 G	4.00 G	3.50 G	2.20	2.50	2.85	3.30	2.20 G	3.60
4	2.00 G	2.20 G	2.20 G	2.10 G	3.50 G	3.20 G	2.20	1.80	2.60	2.50	2.40 G	1.50
5	1.70 G	1.50 G	2.20 G	2.60 G	2.90 G	2.20 G	2.10	1.90	2.20	2.10	0.90 G	2.60
6	1.80 G	2.90 G	2.90 G	3.40 G	2.00 G	2.85 G	1.90	1.60	2.80	2.50	2.30 G	3.30
7	2.10 G	2.50 G	3.30 G	1.70 G	2.70 G	2.80 G	2.00	1.70	2.55	2.90	2.60 G	3.60
8	1.30 G	3.00 G	3.60 G	3.00 G	3.40 G	2.60 G	1.40 G	1.80	2.30	2.60	2.90 G	1.50
9	2.40 G	3.50 G	3.40 G	3.20 G	4.00 G	2.60 G	1.60 G	1.80	2.60	3.30	4.30 G	2.00
10	2.00 G	3.20 G	3.50 G	2.80 G	2.40 G	2.25 G	1.60 G	1.90	3.00	1.60	0.80 G	2.00
11	2.00 G	2.00 G	3.70 G	1.90 G	2.40 G	1.80 G	1.80 G	2.20	3.20	1.80	1.80 G	1.75
12	2.20 G	2.50 G	3.70 G	1.60 G	2.70 G	2.80 G	2.00	2.50	3.60	2.60	1.80 G	2.70
13	1.60 G	2.60 G	3.30 G	2.20 G	3.10 G	2.10 G	1.90 G	3.10	3.60	2.40	1.40 G	2.40
14	2.50 G	2.60 G	3.50 G	2.20 G	2.40 G	2.00 G	1.10	3.10 G	3.30	2.50	1.60 G	2.20
15	2.00 G	3.00 G	3.20	1.30 G	2.60 G	2.30 G	2.00	3.30 G	3.00	2.30	1.90 G	2.40
16	1.90 G	2.80 G	2.40	1.80 G	2.90 G	2.70 G	3.20	3.30 G	2.50	2.10	1.80 G	2.50
17	2.25 G	2.00 G	2.00	2.00 G	2.50 G	3.00 G	3.30	3.30 G	2.70	2.40	2.90 G	2.80
18	2.00 G	2.20 G	2.10 G	1.80 G	2.35 G	2.90 G	3.20	3.40 G	2.85	1.50 G	3.30 G	3.20
19	2.10 G	2.30 G	2.20 G	2.20 G	3.10 G	2.40 G	2.80	2.80 G	2.90	1.50 G	3.50 G	2.80
20	3.20 G	2.30 G	1.70 G	3.50 G	3.75 G	2.40 G	2.15	2.30 G	2.80	2.70 G	3.40 G	3.20
21	1.40 G	2.90 G	2.00 G	3.40 G	3.30 G	2.30 G	2.40	2.20 G	3.05	2.50 G	3.70 G	3.35
22	1.60 G	3.20 G	2.70 G	2.60 G	2.70 G	2.40 G	2.40	2.30 G	2.70	1.70 G	3.45 G	2.90
23	2.20 G	2.40 G	2.40 G	3.00 G	2.00 G	1.55 G	2.10	2.40 G	2.20	2.30 G	3.20 G	2.30
24	1.90 G	1.50 G	2.70 G	3.00 G	2.60 G	1.40 G	1.85	2.00 G	1.90	2.40 G	3.00 G	-0.40
25	2.50 G	1.80 G	3.00 G	3.40 G	2.10 G	1.90 G	1.70	2.20 G	3.10	2.00 G	3.00 G	1.80
26	1.40 G	2.50 G	2.60 G	3.40 G	2.00 G	1.60 G	2.05	1.90 G	3.20	2.10 G	3.15 G	2.40
27	3.20 G	2.90 G	2.00 G	3.00 G	2.40 G	1.60 G	2.50	2.60	2.70	2.50 G	3.70 G	2.60
28	3.00 G	2.60 G	2.40 G	2.10 G	2.50 G	2.20 G	2.95	3.00	3.00	2.30 G	3.40 G	2.10
29	2.40	-----	2.40 G	1.90 G	2.50 G	2.55 G	3.10	2.90	2.80	2.50 G	2.50 G	2.70
30	2.75	-----	2.90 G	2.40 G	3.10 G	3.30	2.50	2.40	3.10	2.50 G	2.00 G	2.60
31	2.10	-----	2.40	-----	3.40	-----	3.10	2.70	-----	2.00	-----	2.00

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.07	2.51	2.67	2.48	2.85	2.43	2.29	2.47	2.80	2.35	2.58	2.47
MAX	3.20	3.50	3.70	3.50	4.00	3.90	3.30	3.40	3.60	3.30	4.30	3.60
MIN	1.30	1.50	1.70	1.30	2.00	1.40	1.10	1.60	1.90	1.50	0.80	-0.40
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

G=GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 2.50.

HIGHEST STAGE WAS 4.35 AT 4:00 P.M. ON MAR 14.

LOWEST STAGE WAS MINUS 0.95 ON DEC 24.

## DAILY STAGE FOR 1990

## FRESHWATER CANAL AT FRESHWATER BAYOU LOCK (LA.) (SOUTH)

LOCATION. LAT. 29-33-09, LONG. 92-18-21. ON SOUTH SIDE OF LOCK. (STA. 7659317.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JULY 1968 TO DATE.

EXTREMES. HIGHEST, 6.90 FEET ON AUG. 1, 1989. LOWEST, MINUS 5.0 FEET ON JAN. 20, 1985.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G. (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1 G	1.15 G	2.70 G	3.10 G	3.10 G	2.50 G	4.10 G	2.55	2.88	2.20	2.95	1.90 G	0.70
2 G	1.80 G	2.65 G	2.80 G	3.00 G	2.80 G	3.30 G	2.69	2.67	2.00	2.60	1.80 G	0.20
3 G	2.00 G	2.60 G	2.50 G	3.00 G	3.20 G	2.90 G	2.20	2.49	3.30	3.40	1.80 G	2.10
4 G	2.30 G	0.40 G	2.60 G	2.20 G	2.90 G	3.20 G	2.65	2.35	2.50	1.90	2.00 G	0.10
5 G	2.10 G	0.60 G	1.90 G	1.60 G	1.70 G	2.25 G	2.90	2.82	2.08	1.28	-0.30 G	1.00
6 G	0.30 G	0.80 G	2.90 G	2.05 G	1.90 G	2.95 G	2.65	2.50	2.43	1.36	1.49 G	1.50
7 G	0.30 G	0.40 G	3.30 G	1.00 G	2.60 G	3.40 G	2.89	2.70	2.21	1.30	1.61 G	1.75
8 G	-0.05 G	0.50 G	3.60 G	2.42 G	3.30 G	3.40 G	2.50 G	2.40	2.10	2.00	2.70 G	1.60
9 G	-0.25 G	0.60 G	3.40 G	2.50 G	3.40 G	3.50 G	3.47 G	2.48	2.43	3.03	1.80 G	1.90
10 G	-0.35 G	0.50 G	3.50 G	2.80 G	2.50 G	3.20 G	3.09 G	2.80	2.80	1.50	2.50 G	1.35
11 G	-0.55 G	0.60 G	3.70 G	2.00 G	3.80 G	3.30 G	2.90 G	2.70	2.99	3.50	2.20 G	1.65
12 G	-1.35 G	1.10 G	3.70 G	3.30 G	4.30 G	3.29 G	3.09 G	2.60	3.50	2.40	1.60 G	1.90
13 G	0.15 G	2.10 G	3.30 G	3.60 G	3.60 G	3.20 G	2.60 G	2.90	3.10	2.27	1.10 G	0.70
14 G	0.50 G	2.70 G	3.50 G	3.30 G	3.80 G	3.00 G	2.35	3.16 G	3.40	2.20	1.10 G	0.30
15 G	1.30 G	2.95 G	3.20	2.50 G	3.30 G	3.15 G	2.43	3.25 G	2.79	2.00	1.40 G	0.50
16 G	1.90 G	1.65 G	2.40	2.50 G	3.40 G	3.10 G	3.00	3.50 G	2.63	1.80	1.00 G	0.80
17 G	2.00 G	1.70 G	2.00	2.70 G	2.60 G	2.68 G	3.02	3.55 G	2.20	1.80	0.20 G	0.20
18 G	2.35 G	2.30 G	2.10	2.00 G	2.60 G	2.40 G	3.48	3.80 G	2.43	1.00 G	1.40 G	1.00
19 G	2.25 G	1.70 G	2.10	1.85 G	2.85 G	2.30 G	3.26	3.00 G	2.35	1.40 G	1.50 G	1.00
20 G	2.10 G	1.60 G	1.80	2.00 G	2.90 G	2.70 G	3.09	2.60 G	2.42	2.20 G	1.80 G	1.50
21 G	1.10 G	1.90 G	1.70	2.30 G	2.80 G	3.30 G	3.22	2.10 G	2.51	2.10 G	2.20 G	2.10
22 G	0.40 G	0.70 G	1.60	2.00 G	2.60 G	3.50 G	3.00	2.30 G	2.20	1.30 G	2.30 G	2.40
23 G	1.05 G	-0.30 G	1.40 E	2.10 G	3.20	3.30 G	3.20	2.25 G	2.30	2.10 G	2.60 G	2.20
24 G	0.85 G	-0.10 G	1.20 G	3.60 G	3.60 G	3.30 G	2.84	1.75 G	2.10	2.20 G	2.90 G	0.10
25 G	-1.15 G	0.10 G	1.60 G	3.40 G	3.60 G	3.60 G	2.60	1.80 G	2.50	1.90 G	2.80 G	1.90
26 G	-0.40 G	1.50 G	0.70 G	4.10 G	3.90 G	3.10 G	2.59	1.67	2.50	2.00 G	2.80 G	2.10
27 G	0.00 G	1.90 G	1.90 G	3.80 G	4.00 G	2.60 G	2.50	2.50	2.57	2.30 G	3.20 G	1.30
28 G	0.75 G	2.60 G	3.20 G	2.40 G	3.60 G	2.55 G	2.80	2.80	2.66	2.00 G	2.00 G	0.70
29 G	0.00	-----	3.30 G	3.40 G	3.30 G	2.90	2.55	2.60	2.69	2.20 G	0.10 G	0.70
30 G	2.30	-----	3.00 G	3.50 G	3.60 G	2.80	2.30	2.30	3.07	2.40 G	1.00 G	0.40
31 G	2.50	-----	3.70	-----	3.30	-----	2.58	3.10	-----	1.70	-----	0.80

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.88	1.37	2.60	2.64	3.14	3.08	2.81	2.66	2.57	2.07	1.75	1.18
MAX	2.50	2.95	3.70	4.10	4.30	4.10	3.48	3.80	3.50	3.50	3.20	2.40
MIN	-1.35	-0.30	0.70	1.00	1.70	2.25	2.20	1.67	2.00	1.00	-0.30	0.10
DAYS	31	28	31	29	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 364

E=ESTIMATED G=GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 2.23.

HIGHEST STAGE WAS 4.60 AT 4:30 A.M. ON APR 26.

LOWEST STAGE WAS MINUS 2.90 ON JAN 25.

## DAILY STAGE FOR 1990

SCHOONER BAYOU (INLAND WATERWAY) AT CONTROL STRUCTURE (LA.) (EAST AUTO.)

LOCATION. LAT. 29-45-28, LONG. 92-15-48. ON NORTHEAST LOCKWALL OF STRUCTURE, 6.6 MILES SOUTHWEST FROM JUNCTION WITH IWW. (STA. 7660017.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JULY 1, 1917 TO DATE. ADD 0.6 TO DAILY STAGES PRIOR TO 1951.

EXTREMES. HIGHEST, 6.63 FEET (CAUSED BY HURRICANE) ON SEP. 11, 1961 (PROBABLY HIGHER DURING HURRICANE OF JUNE 1957). LOWEST, MINUS 2.90 FEET ON MAR. 5, 1962 AND DEC. 23, 1989.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.85	2.80	2.60	2.30	2.21		2.69	3.08	2.70	2.90	2.30	2.60
2	2.10	2.75	2.40	2.20	2.78		2.60	3.00	3.19	2.89	2.30	2.93
3	1.75	2.60	2.05	1.85	4.01		2.06	2.70	3.10	3.79	2.90 F	3.60
4	1.70	2.35	2.10	1.84	3.19	3.18	2.46	2.49	3.00	3.20	3.15	
5	1.80	2.00	2.30	2.30	2.20	2.50	2.57	2.20	2.25	2.35	1.80	
6	1.65	2.60	2.60	2.80	2.09	3.05	2.68	2.20	3.15	2.93	3.10	
7	1.80	2.40	2.65	1.67	3.00	3.19	2.11	2.40	2.96	3.24	2.70	
8	1.60	2.80	2.98	2.90	3.68	3.00	1.70	1.98	2.74	3.35	3.15	
9	2.05	3.09	2.85	3.33	4.20	2.81	2.20	2.25	2.90	3.60	3.59	
10	1.90	2.99	3.15	3.05	2.52	2.61	2.35	2.15	3.20	0.20	0.33	1.26
11	1.85	2.45	3.68	2.11	2.75	2.10	2.20	2.62	3.39	1.50	1.37	1.00
12	2.09	2.50 F	3.80	1.85	3.80	1.90	2.35	2.60	3.69	2.22	1.80	1.94
13	1.85	2.90		2.53	2.78	2.22	1.85	3.00	3.63	1.81	1.14	1.65
14	2.49	2.68		2.12	2.70	2.25	0.90	3.10	3.28	2.28	1.74	1.59
15	2.15	3.15		1.62	2.70	2.50	1.89	3.35	2.91	2.40	2.06	1.70
16	2.20	2.57		1.83	3.00	2.70	3.00	3.30	2.72	2.40	1.90	1.80
17	2.08	2.02		1.95	2.42	2.65	3.40	3.49	2.90	2.80	1.95	2.20
18 F	2.10	2.25		1.60	2.20	2.40	3.27	3.44	3.05	1.90	2.70	2.30
19	2.00	2.44	2.09	1.70	2.68	2.15	3.20	3.10	2.94	1.91	3.00	2.15
20	1.75	2.23	1.52	2.89	3.30	2.85	3.01	2.75	2.90	3.05	2.70	2.75
21	1.63	2.67	1.83	2.90	3.50	3.00	2.89	2.60	3.05	3.00	3.40	3.40
22	1.80	2.95	2.40	2.50	2.29	2.95	2.74	2.90	2.34	2.35	3.34	2.65
23	1.95	2.48	2.07	3.00	2.75	2.32	2.23	2.68	1.90	2.70	2.70	1.44
24	2.05	2.32	2.44	3.40	2.55	1.85	2.20	1.90	1.94	2.50	2.85	-1.25
25	2.20	2.41	2.55	3.81	2.50	2.10	1.90	1.76	2.60	1.70	2.73	1.50
26	1.75	2.99	2.19	3.98	2.24	1.65	1.85	1.70	2.75	2.30	2.68	1.82
27	2.90	2.85	2.10	2.40	2.80	1.55	2.57	2.40	2.81	2.40	3.35	1.90
28	2.93	2.69	3.02	1.60 F	2.40	1.68	2.80	3.10	2.90	2.00	2.50	1.50
29	2.50	-----	3.10	2.35		2.32	2.70	3.10	2.90	2.31	1.18	1.90
30	2.91	-----	3.00	2.10		3.00	2.40	2.40	3.00	1.95	1.50	1.99
31	2.60	-----	2.40	-----		-----	2.90	2.39	-----	1.80	-----	1.30

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.06	2.60	2.55	2.42	2.83	2.46	2.44	2.65	2.89	2.44	2.41	1.86
MAX	2.93	3.15	3.80	3.98	4.20	3.19	3.40	3.49	3.69	3.79	3.59	3.60
MIN	1.60	2.00	1.52	1.60	2.09	1.55	0.90	1.70	1.90	0.20	0.33	-1.25
DAYS	31	28	25	30	28	27	31	31	30	31	30	25

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 347

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 2.47.

HIGHEST STAGE WAS 4.49 AT 6:00 P.M. ON APR 26

LOWEST STAGE WAS MINUS 1.50 ON DEC 24.

## DAILY STAGE FOR 1990

## SCHOOMER BAYOU (INLAND WATERWAY) AT CONTROL STRUCTURE (LA.) (EAST STAFF)

LOCATION. LAT. 29-45-28, LONG. 92-15-48. ON SOUTHEAST PILING OF STRUCTURE, 6.6 MILES SOUTHWEST FROM JUNCTION WITH IWW. (STA. 7664017.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. JULY 1, 1917 TO DATE. ADD 0.6 TO DAILY STAGES PRIOR TO 1951.

EXTREMES. HIGHEST, 6.10 FEET ON SEP. 5, 1973. LOWEST, MINUS 3.00 FEET ON DEC. 23, 1989. EXTREMES HAVE BEEN ADJUSTED TO PRESENT DATUM.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.75	2.65	2.40	2.20 G	2.25 G	2.90 G	2.80 G	2.90 G	2.75 G	3.00 G	2.60 G	2.85
2	1.95	2.75	2.40	2.25 G	2.85 G	4.10 G	2.70 G	2.80 G	3.00 G	3.00 G	3.15 G	2.55
3	1.80	2.70	2.10	1.90 G	4.10 G	3.55 G	2.00 G	2.60 G	3.10 G	3.90 G	3.20 G	3.60
4	1.75	2.40	2.10	1.95 G	3.20 G	3.55 G	1.80 G	2.20 G	2.70 G	3.40 G	4.00 G	0.70
5	1.40	2.00	2.45	2.45	2.35	2.45 G	2.20 G	1.80 G	1.90 G	2.50 G	1.80 G	2.60
6	1.80	2.00	2.75 G	3.05	2.05 G	2.70 G	2.35 G	1.75 G	3.20 G	3.20 G	3.35 G	3.10
7	1.80	2.50 G	2.90 G	1.70 G	2.30 G	2.80 G	1.80 G	1.60 G	2.95 G	3.50 G	2.90 G	3.10
8	1.60	2.20 G	3.30 G	2.90 G	3.50 G	2.60 G	1.50 G	1.90 G	2.70 G	3.40 G	3.00 G	1.05
9	2.20	3.20 G	3.10 G	3.20 G	4.15 G	2.60 G	1.70 G	2.00 G	2.90 G	3.80 G	3.50 G	1.50
10	2.05	3.00 G	3.40 G	2.80	2.30 G	2.40 G	1.90 G	1.75 G	3.30 G	0.35 G	0.30 G	1.50
11	2.00	2.50 G	3.80	1.80	2.60 G	1.50 G	1.60 G	2.40 G	3.40 G	0.80 G	1.50 G	1.30
12	2.20	2.50 G	3.80	1.75 G	3.80	1.75 G	1.90 G	2.50 G	3.60 G	2.35 G	2.10 G	2.30
13	1.70	2.80 G	3.20	2.25	2.70 G	1.90 G	1.50 G	2.95 G	3.60 G	2.00 G	1.90 G	1.85
14	2.40	2.55 G	3.75	2.10	2.60 G	2.00 G	0.95 G	3.30 G	3.20 G	2.60 G	1.90 G	1.75
15	2.15	3.00	2.78	1.75	2.60 G	2.20 G	1.80 G	3.40 G	2.90 G	2.70 G	2.40 G	1.90
16	2.00	2.60	2.30	1.85 G	2.90 G	2.45 G	3.15 G	3.30 G	2.80 G	2.70 G	2.30 G	2.20
17	2.15	2.00	2.00	2.00	2.60 G	2.60 G	3.20 G	3.40 G	2.80 G	2.00 G	1.80 G	2.50
18	1.95	2.25	1.90	1.80	2.25 G	2.65 G	3.25 G	3.40 G	2.90 G	2.00 G	3.00 G	2.85
19	1.95	2.50	2.10 G	1.80	2.75 G	2.35 G	3.00 G	3.00 G	3.00 G	1.90 G	3.05 G	2.60
20	2.00	2.30	1.60 G	3.10 G	3.60 G	2.55 G	2.60 G	2.55 G	2.90 G	3.20 G	2.85 G	3.00
21	1.90	2.65	1.90 G	3.05 G	3.20 G	2.40 G	2.60 G	2.50 G	3.00 G	3.35 G	3.40 G	3.45
22	1.80	3.10	2.45 G	2.85	2.75 G	2.55 G	2.40 G	2.60 G	2.15 G	2.70 G	3.55 G	2.65
23	2.00	2.55	2.20 G	3.00	2.10 G	1.85 G	1.90 G	2.50	1.90 G	3.00 G	3.00 G	1.80
24	2.15	2.30 G	2.40 G	3.20	2.50 G	1.60 G	1.80 G	1.90	1.80 G	2.80 G	2.95 G	-1.00
25	2.30	2.40 G	2.80 G	3.65 G	2.55 G	1.85 G	1.50 G	1.70 G	2.70 G	1.65 G	2.70 G	1.50
26	1.70	2.95	2.30 G	4.00	2.25 G	1.10 G	1.60 G	1.70 G	2.90 G	1.90 G	2.90 G	2.00
27	2.90	2.90 G	1.25 G	2.80	2.25 G	1.35 G	2.35 G	2.60 G	2.90 G	2.60 G	3.50 G	2.25
28	2.90	2.70 G	2.60 G	1.50 G	2.55 G	1.55 G	2.70 G	3.10 G	3.00 G	2.00 G	2.65 G	1.80
29	2.60	-----	2.60 G	1.50	2.15 G	2.25 G	2.80 G	3.05 G	3.05 G	2.45 G	1.70 G	2.20
30	2.80	-----	2.60 G	2.10 G	2.85 G	3.00 G	2.50 G	2.45 G	3.10 G	2.20 G	1.70 G	1.80
31	2.30	-----	2.20	-----	3.10	-----	2.80 G	2.10	-----	2.45	-----	1.60

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.06	2.59	2.56	2.41	2.76	2.37	2.21	2.51	2.87	2.56	2.62	2.09
MAX	2.90	3.20	3.80	4.00	4.15	4.10	3.25	3.40	3.60	3.90	4.00	3.60
MIN	1.40	2.00	1.25	1.50	2.05	1.10	0.95	1.60	1.80	0.35	0.30	-1.00
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

G=GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 2.47.

HIGHEST STAGE WAS 4.15 ON MAY 9.

LOWEST STAGE WAS MINUS 1.00 ON DEC 24.



## DAILY STAGE FOR 1990

## SCHOONER BAYOU (INLAND WATERWAY) AT CONTROL STRUCTURE (LA.) (WEST)

LOCATION. LAT. 29-45-28, LONG. 92-15-50. ON SOUTHWEST LOCKWALL OF STRUCTURE, 6.6 MILES SOUTHWEST FROM JUNCTION WITH IWW. (STA. 7668017.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JULY 1, 1917 TO DATE. ADD 0.6 TO DAILY STAGES PRIOR TO 1951.

EXTREMES. HIGHEST, WATER OVER GATES (ELEVATION, SIX FEET, M.L.G.) DURING HURRICANE OF JUNE 27, 1957. LOWEST, MINUS 1.70 FEET (PRESENT DATUM) ON DEC. 21, 1924.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.05	2.70	2.89	2.18	2.30 G	2.40 G	1.80 G	2.20 G	1.96 G	2.03 G	1.89	1.75
2	2.15	2.85	2.75	2.25	2.30 G	2.40 G	1.94 G	2.20 G	1.84 G	2.02 G	1.72	2.00
3	2.40	2.75	2.24	2.00	2.21 G	2.45 G	1.95 G	2.18 G	1.73 G	1.90 G	1.65	2.20
4	2.59	2.55	2.21	2.00	2.20 G	2.50 G	1.80 G	2.19 G	1.86 G	2.00 G	1.71	1.90
5	2.15	2.10	2.50	2.40	2.26	2.60 G	1.95 G	2.21 G	1.80 G	2.02 G	2.10	2.20
6	2.05	2.60	2.68	2.59	2.20 G	2.40 G	1.90 G	2.20 G	1.83 G	1.98 G	1.93	2.10
7	2.25	2.45 G	2.80	1.85	2.25 G	2.32 G	1.90 G	2.08 G	1.88 G	2.00 G	1.91	2.30
8	2.00	2.80 G	2.90	2.33	2.19 G	2.29	1.90 G	1.93 G	1.90 G	2.00 G	1.70	2.40
9	2.35	3.13 G	2.95	2.40	2.80 G	2.20 G	1.83 G	2.04 G	1.81 G	1.95 G	2.60	2.40
10	2.20	3.05 G	2.95	2.45	2.61 G	2.25 G	1.86 G	2.00 G	2.10 G	2.08 G	2.19 G	2.24
11	2.20	2.65 G	2.80	2.25	2.90 G	2.20 G	1.87 G	1.97 G	2.00 G	2.10 G	2.01 G	2.20
12	2.18	2.65 G	2.80	2.10	2.72 G	2.25 G	1.96 G	2.00 G	2.00 G	2.00 G	2.04 G	2.17
13	1.90	3.00 G	2.80	2.39	2.95 G	2.33 G	2.06 G	1.96 G	2.02 G	1.99 G	2.07 G	2.08
14	2.50	2.80 G	2.80	2.50	2.80 G	2.25 G	2.23 G	1.94 G	2.28 G	1.87 G	2.01 G	2.05
15	2.25	3.13	2.80	1.97	2.80 G	2.32 G	1.92 G	1.95 G	2.38 G	1.90 G	1.90 G	2.19
16	2.25	2.65	2.40	2.05 G	2.99 G	2.25 G	1.90 G	1.95 G	2.40 G	1.88 G	1.99 G	2.15
17	2.15	2.03	2.20	2.15	2.58 G	2.15 G	1.83 G	1.98 G	2.37 G	2.00 G	1.95 G	2.05
18	2.50	2.25	2.00	1.80	2.39 G	2.15 G	2.06 G	1.81 G	2.32 G	1.90 G	1.89 G	2.10
19	2.05	2.67	2.32	2.39 G	2.80 G	2.23 G	2.08 G	1.86 G	2.35 G	1.76 G	1.90 G	2.00
20	2.60	2.39	1.73	2.17	2.80 G	2.10 G	2.13 G	1.90 G	2.41 G	1.79 G	1.86 G	2.01
21	1.80	2.70	2.10	2.23 G	2.91 G	2.05 G	2.06 G	1.88 G	2.40 G	1.85 G	1.77 G	1.71
22	1.90	3.09	2.41	2.39	2.88 G	2.00 G	2.09 G	1.95 G	2.44 G	1.97 G	1.92 G	2.05
23	2.05	2.64	2.28	2.40	2.40 G	2.07 G	2.10 G	1.90	2.04 G	2.00 G	1.90 G	2.39
24	2.15	2.48	2.32	2.24	2.70 G	1.92 G	2.03 G	1.99	1.98 G	2.00 G	2.01 F	2.30
25	2.30	2.50	2.50	2.05 G	2.59 G	1.95 G	2.17 G	2.01 G	2.18 G	2.00	1.93 G	2.10
26	1.85	3.00	2.40	1.88	2.53 G	1.95 G	2.19 G	2.02 G	2.15 G	2.01 G	1.91 G	1.85
27	2.75	2.99	2.40	2.30	2.60 G	1.93 G	2.13 G	1.80 G	2.08 G	1.91 G	1.71 G	1.90
28	2.73	2.99	2.35	2.47 F	2.40 G	1.80 G	2.15 G	1.80 G	2.10 G	2.00 G	1.80 G	2.15
29	2.60	-----	2.35	2.64	2.20 G	1.80 G	2.11 G	1.90 G	2.02 G	1.90 G	1.85 G	2.07
30	2.78	-----	2.65	2.60 G	2.40 G	1.80 G	2.20 G	1.98 G	2.10 G	1.95 G	1.93 G	2.15
31	2.45	-----	2.20	----- G	2.40	----- G	2.19 G	1.95	----- G	1.90	----- G	2.30

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.26	2.70	2.50	2.25	2.55	2.18	2.01	1.99	2.09	1.96	1.92	2.11
MAX	2.78	3.13	2.95	2.64	2.99	2.60	2.23	2.21	2.44	2.10	2.60	2.40
MIN	1.80	2.03	1.73	1.80	2.19	1.80	1.80	1.80	1.73	1.76	1.65	1.71
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

F=NOT AT STATED TIME G=GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 2.21.

HIGHEST STAGE WAS 3.47 AT 3:00 A.M. ON FEB 22.

LOWEST STAGE WAS 1.24 ON NOV 8.

## DAILY STAGE FOR 1990

INTRACOASTAL WATERWAY AT LELAND BOWMAN LOCK (LA.) (EAST AUTO.)

LOCATION. LAT. 29-47-00, LONG. 92-11-40. ON NORTHEAST LOCKWALL OF STRUCTURE. (STA. 7672013.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. NOV. 8, 1932 TO DATE. ADD 0.6 TO DAILY STAGES PRIOR TO 1951.

EXTREMES. HIGHEST, 8.9 FEET, FROM WATERMARK LEFT BY HURRICANE OF JUNE 27, 1957. LOWEST, MINUS 2.90 FEET ON DEC. 23, 1989.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.60	2.50	2.44	1.90	2.30	3.00 G	2.80 G	3.19 G	2.85 G	3.15 G	2.60 G	2.70
2	1.90	2.50	1.80	1.90	2.90	4.08 G	2.72 G	3.10	3.15 G	3.20 G	3.00 G	2.20
3	1.70	2.15	1.38	1.54	4.10	3.49 G	2.10 G	2.70	3.06 G	4.00 G	3.40 G	3.30
4	1.75	1.40	1.51	1.70	3.30	3.30 G	2.49 G	2.39	2.95 G	3.56 G	3.70 G	0.60
5	1.30	1.00	1.87 G	2.30	2.30	2.50 G	2.50 G	2.10	2.30 G	2.67 G	1.80 G	2.70
6	1.40	2.50	2.50 G	3.15	2.00	2.90 G	2.50 G	2.00	3.11 G	3.31 G	3.30 G	2.91
7	1.50	2.00	2.89	1.00	2.98	3.12 G	2.20 G	2.12	3.11 G	3.60 G	3.10 G	3.10
8	1.20	2.70	3.15 G	2.90	3.40 G	2.90 G	1.75 G	1.90	2.81 G	3.49 G	3.25 G	1.23
9	1.70	3.20	3.10 G	3.34 G	4.32	2.80 G	2.13 G	2.12	2.87 G	4.00 G	3.90 G	1.40
10	1.60	2.75	3.38 G	3.00 G	2.40	2.70 G	2.80 G	2.18	3.28 G	0.37 G	0.50 G	1.30
11	1.60	2.00	3.77	2.00	2.70	2.30 G	2.00 G	2.63	3.47 G	1.20 G	1.53 G	1.25
12	1.75	2.00	3.77	1.51	3.85	1.88 G	2.31 G	2.62	3.80 G	2.58 G	2.00 G	2.19
13	1.50	2.70	3.49 G	2.40	2.85	2.25 G	1.80 G	3.04 G	3.70 G	2.10 G	1.07 G	1.95
14	2.45	2.40 G	3.70 G	2.20	2.50	2.28 G	0.95 G	3.35 G	3.35 G	2.80 G	1.65 G	1.75
15	1.95	3.20	2.70 G	0.95	2.80	2.30 G	1.89 G	3.49	3.00 G	2.71 G	2.20 G	2.00
16	1.90	2.20	1.99 G	1.50	3.07	2.70 G	3.11 G	3.45	2.80 G	2.85 G	2.20 G	2.15
17	1.95	1.30	1.60 G	1.85	2.25	2.69 G	3.40 G	3.50	2.91 G	3.18 G	1.95 G	2.50
18	1.68	1.80	1.67 G	1.15	1.90	2.71 G	3.30 G	3.50	3.03 G	2.22 G	2.90 G	3.00
19	1.85	1.72	1.80 G	1.72	2.70	2.40 G	3.18 G	3.20	3.15 G	1.96 G	2.85 G	2.00
20	2.00	1.75	0.93 G	3.15	3.49 G	3.00 G	2.89 G	2.85	3.01 G	3.37	2.73 G	3.00
21	1.10	2.50	1.50 G	3.10	3.35 G	2.95 G	2.67 G	2.50	3.20 G	3.49 G	3.29 G	2.90
22	1.00	2.85	2.38 G	2.74	2.85 G	2.85 G	2.55 G	2.80	2.60 G	2.80 G	3.37 G	2.80
23	1.55	1.71	1.93 G	3.15	2.30 G	2.10 G	2.28 G	2.70	1.63 G	2.70 G	2.80 G	1.60
24	1.70	1.79	2.40 G	3.40	2.90 G	1.80 G	2.30 G	1.91	1.90 G	2.63 G	2.90 G	-1.40
25	1.70	1.90 G	2.60 G	3.70	2.70 G	2.10 G	2.08 G	1.80	2.90 G	1.79 G	2.62 G	1.40
26	1.25	2.70	2.19 G	3.78	2.50 G	1.45 G	1.98 G	1.70	2.99 G	2.29 G	2.75 G	1.90
27	2.85	2.95	1.90 G	2.80	2.60 G	1.60 G	2.60 G	2.79	2.90 G	2.50 G	3.35 G	2.10
28	2.85	2.82 G	3.00	1.50	2.80 G	1.80 G	2.95 G	3.20	3.05 G	2.29 G	3.60 G	2.00
29	2.10	----- G	2.78	2.10	2.00 G	2.40 G	2.90 G	3.10	3.08 G	2.13 G	1.35 G	2.20
30	2.85	----- G	2.87	2.20	2.83 G	3.10 G	2.49 G	2.50	3.19 G	2.20 G	1.60 G	2.10
31	2.10	----- G	1.92	-----	3.10	----- G	3.05 G	2.40	----- G	2.30	----- G	1.50

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.78	2.25	2.42	2.32	2.84	2.58	2.47	2.67	2.97	2.69	2.58	2.01
MAX	2.85	3.20	3.77	3.78	4.32	4.08	3.40	3.50	3.80	4.00	3.90	3.30
MIN	1.00	1.00	0.93	0.95	1.90	1.45	0.95	1.70	1.63	0.37	0.50	-1.40
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

G=GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 2.47.

HIGHEST STAGE WAS 4.62 AT 6:30 P.M. ON MAY 12.

LOWEST STAGE WAS (FROM INCOMPLETE RECORD) MINUS 1.40 ON DEC 24.

## DAILY STAGE FOR 1990

## INTRACOASTAL WATERWAY AT LELAND BOWMAN LOCK (LA.) (EAST STAFF)

LOCATION. LAT. 29-47-00, LONG. 92-11-44. ON EAST LOCKWALL OF STRUCTURE. (STA. 7676013.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. SEP. 25, 1933 TO DATE. ADD 0.6 TO DAILY STAGES PRIOR TO 1951.

EXTREMES. (FROM 1946 TO DATE) HIGHEST, 8.90 FEET (FROM HIGH WATER MARK) ON JUNE 27, 1957. LOWEST, MINUS 2.90 FEET ON JAN. 11, 1962.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.60	2.40	2.20	1.90	2.30 G	2.90 G	2.90 G	3.30 G	2.90 G	3.10 G	2.60 G	2.70
2	1.80	2.40	1.80	1.90	3.00 G	4.20 G	2.90 G	3.00 G	3.20 G	3.10 G	3.00 G	2.30
3	1.70	2.20	1.30	1.50	4.20	3.50 G	2.10 G	2.80 G	3.00 G	4.00 G	3.40 G	3.80
4	1.70	2.00	1.50	1.80	3.40	3.20 G	2.50 G	2.50 G	3.10 G	3.60 G	3.70 G	0.60
5	1.50	1.25	2.00 G	2.70	2.00	2.50 G	2.50 G	2.10 G	2.10 G	3.60 G	1.80 G	2.70
6	1.50	2.40	2.50 G	3.30	2.00	2.80 G	2.50 G	2.00 G	3.00 G	3.10 G	3.30 G	2.80
7	1.70	2.10	2.80	1.00	2.90	3.10 G	1.80 G	1.90 G	3.10 G	3.60 G	3.10 G	3.30
8	1.40	2.80	3.10 G	3.00	3.90 G	3.20 G	1.80 G	1.80	2.90 G	3.50 G	3.10 G	1.00
9	2.00	3.30	3.00 G	3.40 G	4.30	2.80 G	2.10 G	2.00	2.90 G	3.90 G	3.90 G	1.50
10	1.80	3.00	3.10 G	3.00 G	2.50	2.70 G	2.20 G	2.00	3.20 G	0.30 G	0.40 G	1.50
11	1.80	2.30	3.70	1.90	2.90	2.20 G	2.00 G	2.40	3.50 G	1.10 G	1.50 G	1.30
12	2.10	3.20	3.80	1.70	3.80	1.60 G	2.00 G	2.10	3.90 G	2.50 G	1.90 G	2.30
13	1.40	3.00	3.60 G	2.30	2.80	2.00 G	1.80 G	3.00 G	3.70 G	2.00 G	1.40 G	1.80
14	2.50	2.60 G	3.60 G	2.10	2.60	2.10 G	0.90 G	3.20 G	3.40 G	2.70 G	1.90 G	1.70
15	1.90	3.25	2.70 G	1.00	2.50	2.30 G	1.80 G	3.60	3.00 G	2.80 G	2.50 G	1.90
16	1.90	2.40	2.00 G	1.50	2.80	2.70 G	3.20 G	3.60	2.70 G	2.80 G	2.50 G	2.10
17	1.90	1.50	1.90 G	1.80	3.35	2.60 G	3.40 G	3.40	2.90 G	3.10 G	2.10 G	1.30
18	1.60	2.00	1.70 G	1.10	1.80	2.70 G	3.20 G	3.40	3.00 G	2.10 G	3.00 G	3.00
19	1.80	3.10	1.80 G	1.70	2.70	2.50 G	3.00 G	3.00	3.00 G	2.00 G	3.10 G	2.00
20	1.80	2.00	1.00 G	3.20	3.60 G	2.90 G	2.90 G	2.60	3.00 G	3.50 G	3.40 G	3.00
21	1.00	2.60	1.70 G	3.10	3.50 G	2.80 G	2.60 G	2.50	3.30 G	3.50 G	3.40 G	2.90
22	1.10	3.10	2.30 G	2.80	3.00 G	2.70 G	2.60 G	2.70	2.50 G	2.90 G	3.55 G	2.80
23	1.60	2.10	2.00 G	3.10	2.10 G	2.10 G	2.20 G	2.70	1.70 G	2.90 G	3.00 G	1.60
24	G 1.90	2.10	2.50 G	3.40	2.90 G	1.90 G	2.20 G	2.00	1.70 G	2.80 G	2.95 G	-1.40
25	2.00	2.10 G	2.60 G	3.50	2.70 G	2.00 G	1.80 G	1.70	2.90 G	1.80 G	2.70 G	-1.40
26	1.20	2.90	2.30 G	3.90	2.70 G	1.30 G	1.80 G	1.70	3.00 G	2.30 G	2.90 G	1.90
27	2.70	3.00	2.00 G	3.50	2.50 G	1.70 G	2.50 G	2.70	2.90 G	2.50 G	3.50 G	2.10
28	2.90	2.80 G	3.00	1.50	2.70 G	1.70 G	2.80 G	3.20	3.00 G	2.10 G	3.00 G	2.00
29	2.30	----- G	2.90	2.60	2.00 G	2.30 G	2.80 G	3.10 G	3.00 G	2.30 G	1.50 G	2.20
30	2.80	----- G	3.00	2.10	2.80 G	3.00 G	2.70 G	2.50 G	3.10 G	2.20 G	1.50 G	2.10
31	2.20	-----	1.90	-----	2.90	----- G	3.00 G	2.35	----- G	2.30	----- G	1.50

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.84	2.50	2.43	2.38	2.88	2.53	2.40	2.61	2.95	2.71	2.65	1.90
MAX	2.90	3.30	3.80	3.90	4.30	4.20	3.40	3.60	3.90	4.00	3.90	3.80
MIN	1.00	1.25	1.00	1.00	1.80	1.30	0.90	1.70	1.70	0.30	0.40	-1.40
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

G=GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 2.48.

HIGHEST STAGE WAS 4.30 ON MAY 9.

LOWEST STAGE WAS MINUS 1.40 ON DEC 24 AND LATER DATE(S).

## DAILY STAGE FOR 1990

## INTRACOASTAL WATERWAY AT LELAND BOWMAN LOCK (LA.) (WEST)

LOCATION. LAT. 29-47-05, LONG. 92-11-53. ON WEST LOCKWALL OF STRUCTURE. (STA. 7680013.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. SEP. 25, 1933 TO DATE. ADD 0.6 TO DAILY STAGES PRIOR TO 1951.

EXTREMES. HIGHEST, 8.9 FEET, FROM WATERMARK LEFT BY HURRICANE OF JUNE 27, 1957. LOWEST, MINUS 1.00 FOOT ON DEC. 24, 1966.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.00	2.55	2.54	2.10	2.46	2.50 G	1.85 G	2.10 G	1.90 G	2.10 G	1.85 G	1.85
2	1.95	2.65	2.50	2.12	2.44	2.60 G	1.90 G	2.18	1.90 G	2.00 G	1.80 G	1.90
3	1.90	2.55	1.88	1.84	2.38	2.60 G	1.90 G	2.20	1.89 G	2.00 G	1.70 G	2.24
4	2.00	2.40	2.00	1.90	2.50	2.60 G	1.84 G	2.20	1.90 G	2.10 G	1.84 G	2.00
5	2.45	1.70	2.27 G	2.61	2.30	2.40 G	1.85 G	2.20	1.95 G	2.10 G	2.15 G	2.05
6	1.75	2.70	2.50 G	2.62	2.20	2.40 G	1.90 G	2.18	2.01 G	2.10 G	1.95 G	2.10
7	1.80	2.30	2.76	2.16	2.38	2.40 G	1.97 G	2.07	1.90 G	2.05 G	1.90 G	2.29
8	1.90	2.76	2.98 G	2.49	2.20 G	2.35 G	1.90 G	2.00	2.20 G	2.10 G	1.74 G	2.30
9	2.20	3.20	3.05 G	2.39 G	3.05	2.30 G	1.85 G	2.05	1.94 G	2.00 G	2.66 G	2.26
10	1.80	2.99	3.01 G	2.45 G	2.60	2.30 G	1.90 G	2.05	1.90 G	1.99 G	2.11 G	2.70
11	2.10	2.47	2.90	2.30	2.90	2.25 G	1.85 G	2.02	1.98 G	1.90 G	2.00 G	2.20
12	2.20	2.98	2.90	2.10	2.98	2.20 G	1.88 G	2.05	2.23 G	2.00 G	1.90 G	2.30
13	1.60	2.80	3.00 G	2.32	3.01	2.30 G	1.98 G	2.02 G	2.15 G	1.95 G	1.97 G	2.20
14	2.60	2.60 G	2.95 G	2.40	2.87	2.20 G	2.00 G	2.00 G	2.35 G	1.90 G	1.90 G	2.20
15	2.10	3.20	2.77 G	2.30	2.90	2.30 G	1.88 G	1.90	2.45 G	1.90 G	1.85 G	2.20
16	1.90	2.48	2.26 G	2.30	3.05	2.30 G	1.85 G	1.90	2.50 G	1.90 G	1.91 G	2.20
17	2.05	1.74	2.08 G	2.41	2.40	2.20 G	1.95 G	1.90	2.46 G	1.80 G	1.90 G	3.10
18	1.85	2.10	1.94 G	2.77	2.15	2.30 G	1.98 G	1.95	2.40 G	1.90 G	1.85 G	2.10
19	1.95	3.10	2.00 G	2.34	2.72	2.20 G	2.05 G	1.95	2.40 G	1.80 G	1.82 G	2.40
20	2.60	2.10	1.36 G	2.20	2.90 G	2.10 G	2.06 G	1.87	2.40 G	1.82 G	1.86 G	2.20
21	2.00	2.58	1.73 G	2.25	2.90 G	2.05 G	2.10 G	1.90	2.41 G	1.80 G	1.82 G	2.10
22	1.95	3.02	2.49 G	2.35	2.90 G	2.10 G	2.10 G	1.89	2.54 G	2.11 G	1.94 G	2.10
23	2.00	2.30	2.10 G	2.38	2.30 G	2.05 G	2.17 G	1.90	2.20 G	1.90 G	2.07 G	2.20
24	G 2.60	2.20	2.51 G	2.15	2.60 G	2.05 G	2.10 G	1.98	1.95 G	2.00 G	2.02 G	2.00
25	2.15	2.39 G	2.50 G	1.98	2.65 G	1.90 G	2.15 G	2.02	2.15 G	1.95 G	1.97 G	1.90
26	1.55	2.90	2.42 G	2.05	2.50 G	1.95 G	2.18 G	1.95	2.10 G	2.00 G	1.98 G	1.90
27	2.80	2.94	2.12 G	2.39	2.50 G	1.90 G	2.22 G	1.86	2.11 G	2.00 G	1.80 G	1.90
28	2.80	2.75 G	2.30	1.90	2.69 G	1.89 G	2.19 G	1.90	2.10 G	1.95 G	2.00 G	1.90
29	2.45	----- G	2.36	2.20	2.50 G	1.85 G	2.19 G	1.90 G	2.12 G	1.90 G	1.80 G	2.10
30	2.75	----- G	2.79	2.42	2.50 G	1.90 G	2.20 G	2.00 G	2.10 G	1.80 G	1.90 G	2.20
31	2.20	----- G	2.14	-----	2.55	----- G	2.10 G	1.96	----- G	1.78	----- G	2.20

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.13	2.59	2.42	2.25	2.61	2.21	2.00	2.00	2.15	1.95	1.94	2.15
MAX	2.80	3.20	3.05	2.62	3.05	2.60	2.22	2.20	2.54	2.11	2.66	3.10
MIN	1.55	1.70	1.36	1.84	2.15	1.85	1.84	1.86	1.89	1.78	1.70	1.85
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

G=GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 2.20.

HIGHEST STAGE WAS 3.58 AT 2:30 A.M. ON FEB 22.

LOWEST STAGE WAS 1.20 ON NOV 9.

## DAILY STAGE FOR 1990

## INTRACOASTAL WATERWAY AT CALCASIEU LOCK (LA.) (EAST)

LOCATION. LAT. 30-05-14, LONG. 93-17-28. NEAR EAST END OF LOCK, 10.5 MILES SOUTHWEST OF LAKE CHARLES, LA. (STA. 7688021.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JAN. 1, 1951 TO DATE. DISREGARD GAGE ZERO REPORTED PRIOR TO 1963, PRESENT ZERO IS CORRECT FOR ALL PERIODS.

EXTREMES. HIGHEST 6.60 FEET (CAUSED BY HURRICANE) ON JUNE 28, 1957. LOWEST, MINUS 0.4 FOOT FROM JULY 8 TO 10, 1951.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO, MINUS 0.81 FOOT, M.L.G. (1957 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3.25	3.60	3.69	3.45	3.45	3.35	2.48	2.72	2.51	2.66	2.55	2.59
2	3.35	4.50	3.77	3.30	3.50	3.37	2.35	2.80	2.50	2.70	2.68	2.56
3	3.45	3.60	3.28	2.95	3.60	3.25	2.15	2.71	2.60	2.89	2.86	2.47
4	3.55	2.80	3.18	3.32	3.61	3.05	2.47	2.71	2.60	2.80	2.87	2.31
5	3.30	2.40	3.37	3.16	3.10	3.00	2.40	2.60	2.50	2.70	2.28	2.56
6	2.85	3.80	3.57	3.40	3.08	3.00	2.50	2.60	2.51	2.75	2.63	2.73
7	2.90	3.00	3.92	3.02	3.05	3.00 F	2.45	2.60	2.51	2.75	2.94	2.79
8	2.90	3.70	4.02	3.15	3.10	3.00		2.65	2.49	2.78	2.80	2.67
9	3.50	4.20	3.85	3.30	3.65	2.95		2.67	2.50	2.75	2.97	2.80
10	3.60	3.85	3.80	3.38	3.50	2.89 F	2.50	2.60	2.52	2.21	2.55	2.84
11	3.59	3.70	4.05	3.10	3.61	2.88	2.55	2.54	2.85	2.28	2.73	2.88
12	3.50	3.60	3.95	3.09	4.05	2.80	2.55	2.55	2.88	2.40	2.60	2.91
13	3.40	3.85	4.11	3.21	3.89	2.85	2.40	2.52	3.05	2.40	2.60	2.87
14	3.20	4.00	4.15	3.29	3.60	2.85	2.21	2.59	3.09	2.54	2.59	2.81
15	3.50	3.81	3.99	3.10	3.70	2.80	2.40	2.52	3.00	2.59	2.60	2.89
16	3.50	3.65	3.63	3.05	3.71	2.73	2.51	2.53	2.99	2.60	2.62	2.85
17	3.45	3.16	3.35	2.80	3.70	2.85	2.72	2.50	3.03	2.65	2.53	2.98
18	3.35	3.35	3.25	3.00	3.19	2.79	2.75	2.51	3.00	2.50	2.61	2.75
19	3.45	3.43	3.05	3.00	3.65	2.60	2.60	2.50	3.13	2.40	2.67	2.75
20	2.95	3.40	2.70	3.25	3.70	2.55	2.67	2.46	3.03	2.50	2.70	2.81
21	3.25	3.65	2.89	3.22	3.58	2.60	2.69	2.40	3.00	2.67	2.75	3.05
22	3.20	3.82	3.10	3.00	3.40	2.64	2.75	2.45	2.95	2.41	2.68	2.88
23	3.25	3.34	2.90	2.99	3.20	2.45	2.70	2.50	2.82	2.50	2.61	2.51
24	3.40	3.37	3.20	3.15	3.20	2.58	2.77	2.45	2.80	2.57	2.59	2.10
25	3.50	3.70	3.18	3.22	3.20	2.60	2.75	2.40	2.80	2.40	2.67	2.50
26	3.10	3.86	3.00	3.40	3.20	2.64	2.70	2.36	2.80	2.45	2.76	2.70
27	3.55	3.80	3.00	3.69	3.18	2.50	2.69	2.34	2.75	2.55	3.00	2.85
28	3.85	3.75	3.10	3.35	3.18	2.50	2.70	2.52	2.70	2.50	2.85	2.80
29	3.65	-----	3.37	3.40	3.09	2.51	2.70	2.60	2.70	2.51	2.60	3.00
30	3.93	-----	3.50	3.37	3.30	2.59	2.70	2.50	2.65	2.55	2.50	3.00
31	3.60	-----	3.46	-----	3.40	-----	2.61	2.50	-----	2.54	-----	3.00

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	3.38	3.60	3.46	3.20	3.43	2.81	2.57	2.55	2.78	2.56	2.68	2.75
MAX	3.93	4.50	4.15	3.69	4.05	3.37	2.77	2.80	3.10	2.89	3.00	3.05
MIN	2.85	2.40	2.70	2.80	3.05	2.45	2.15	2.34	2.49	2.21	2.28	2.10
DAYS	31	28	31	30	31	30	29	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 363

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 2.98.

HIGHEST STAGE (FROM INCOMPLETE RECORDS) WAS 4.50 AT 8:00 A.M. ON FEB 2.

LOWEST STAGE WAS 2.00 ON DEC 24.

## DAILY STAGE FOR 1990

## INTRACOASTAL WATERWAY AT CALCASIEU LOCK (LA.) (WEST STAFF)

LOCATION. LAT. 30-05-19, LONG. 93-17-40. NEAR WEST END OF LOCK, 10.5 MILES SOUTHWEST OF LAKE CHARLES, LA. (STA. 7692021.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. MAR. 6, 1951 TO DATE. DISREGARD GAGE ZERO REPORTED PRIOR TO 1963, PRESENT ZERO IS CORRECT FOR ALL PERIODS.

EXTREMES. HIGHEST, 9.0 FEET (CAUSED BY HURRICANE) ON JUNE 27, 1957. LOWEST, MINUS 2.00 FEET ON DEC. 23, 1989.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO, MINUS 0.81 FOOT, M.L.G. (1957 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.00	3.20	3.10	2.90	2.70	3.30	3.00	3.30	3.10	3.20	3.30	3.70
2	2.10	3.20	2.20	2.90	3.30	4.50	3.20	3.30	3.20	3.50	3.70	3.20
3	2.30	2.80	1.80	2.50	4.20	4.00	3.00	3.20	3.50	4.10	4.20	4.00
4	2.30	2.00	2.10	2.70	3.90	3.60	3.00	2.90	3.50	4.00	4.30	2.10
5	2.10	1.50	2.60	3.20	3.00	3.50	2.80	2.90	3.10	3.30	2.80	3.30
6	1.85	3.20	3.00	3.70	3.00	3.60	2.90	2.70	3.30	3.80	3.70	3.50
7	1.95	2.90	3.50	2.30	3.30	3.60	2.80	2.50	3.50	4.00	3.60	2.90
8	1.75	3.20	3.10	3.40	3.80	3.40	2.60	2.50	3.30	3.90	3.40	2.20
9	2.70	3.80	3.70	3.80	4.40	3.30	2.30	2.70	3.30	4.20	4.10	2.30
10	2.40	3.30	3.90	3.70	3.20	3.10	2.50	2.80	3.40	1.90	1.80	2.20
11	2.35	2.70	4.00	2.50	3.40	2.80	2.60	2.90	3.70	2.70	2.50	2.00
12	2.50	2.80	4.20	2.60	4.10	2.70	2.70	3.20	3.80	3.30	2.90	2.70
13	2.00	3.20	4.00	3.15	3.60	2.80	2.40	3.50	3.90	3.00	2.20	2.60
14	2.90	2.80	4.00	3.10	3.00	2.80	1.90	3.50	3.80	3.20	2.70	2.50
15	2.70	3.30	3.50	2.40	3.10	2.80	2.60	3.70	3.60	3.20	3.20	2.70
16	2.50	2.90	3.30	2.30	3.40	3.30	3.30	3.60	3.40	3.30	3.10	2.90
17	2.40	1.90	2.80	2.70	3.00	3.50	3.70	3.80	3.50	3.80	2.90	3.30
18	2.10	2.40	2.30	2.00	2.30	3.40	3.50	3.80	3.30	3.10	3.40	3.00
19	2.40	2.60	2.50	2.60	3.60	3.30	3.30	3.60	3.30	3.00	3.80	3.30
20	2.30	2.50	1.80	3.40	4.20	3.40	3.40	3.30	3.40	4.00	3.60	3.40
21	1.80	3.30	2.20	3.50	4.00	2.50	3.30	3.20	3.50	3.90	4.10	3.60
22	1.90	3.60	3.20	3.40	3.50	3.30	3.20	3.00	3.20	3.30	3.80	3.00
23	2.30	2.40	2.70	3.60	3.20	2.90	2.90	3.00	2.90	3.30	3.10	2.80
24	2.80	2.30	3.00	3.70	3.30	2.20	2.80	2.60	3.10	3.40	3.50	0.40
25	2.70	2.60	3.50	3.80	3.50	2.50	2.60	2.70	3.30	2.80	3.50	2.30
26	2.10	3.40	3.20	3.80	3.20	2.20	2.90	2.60	3.50	3.50	3.40	2.40
27	3.60	3.45	3.10	3.50	3.20	2.00	2.60	3.10	3.30	3.40	3.90	3.20
28	3.50	3.20	3.55	2.90	3.10	2.20	3.20	3.40	3.50	3.10	3.30	2.50
29	3.00	-----	3.40	2.80	3.00	2.70	3.40	3.50	3.30	3.00	2.20	2.90
30	3.20	-----	3.70	2.80	3.40	3.60	3.30	3.20	3.40	3.20	2.80	2.90
31	3.00	-----	2.90	-----	3.80	-----	3.30	3.00	-----	3.00	-----	3.00

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.44	2.87	3.09	3.05	3.41	3.10	2.94	3.13	3.40	3.37	3.29	2.80
MAX	3.60	3.80	4.20	3.80	4.40	4.50	3.70	3.80	3.90	4.20	4.30	4.00
MIN	1.75	1.50	1.80	2.00	2.30	2.00	1.90	2.50	2.90	1.90	1.80	0.40
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 3.07.

HIGHEST STAGE WAS 4.50 ON JUN 2.

LOWEST STAGE WAS 0.40 ON DEC 24.

## DAILY STAGE FOR 1990

## INTRACOASTAL WATERWAY AT CALCASIEU LOCK (LA.) (WEST AUTO.)

LOCATION. LAT. 30-05-19, LONG. 93-17-40. AT WEST END OF LOCK, 10.5 MILES SOUTHWEST OF LAKE CHARLES, LA. (STA. 7696021.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

RECORDS AVAILABLE. JAN. 1, 1951 TO DATE. DISREGARD GAGE ZERO REPORTED PRIOR TO 1963, PRESENT ZERO IS CORRECT FOR ALL PERIODS.

EXTREMES. HIGHEST, 8.80 FEET (CAUSED BY HURRICANE) ON JUNE 27, 1957. LOWEST, MINUS 1.32 FEET ON FEB. 28, 1984.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO, MINUS 0.81 FOOT, M.L.G. (1957 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.00	3.25	3.29	3.30	2.90	3.39	3.00	3.35		3.37	3.00	3.40
2	2.25	3.28	2.50	2.87	3.20	4.30	3.13	3.40		3.50	3.40	3.10
3	2.42	3.00	1.95	2.43	3.94	3.93	2.85	3.22		4.20	3.80	3.65
4	2.15	2.05	1.95	2.74	3.81	3.60	3.00	3.04 F	3.40	3.40	3.91	2.00
5	1.70	1.65	2.52	3.10	2.90	3.48	3.20	2.96		3.20	2.50	3.07
6	1.75	3.30	2.87	3.52	3.09	3.63	3.00	2.82		3.75	3.43	3.40
7	1.70	2.65	3.37	2.50	3.44	3.80	3.00	2.80		3.90	3.50	2.70
8	1.40	2.90	3.53	3.40	3.90	3.80	2.85	3.00		3.79	3.48	2.46
9	2.10	3.55	3.59	3.85	4.42	3.65	2.70	3.09		4.10	3.86	2.20
10	2.10	3.10	3.85	3.80	3.30	3.55	3.19	3.05		2.02	1.67	2.05
11	2.15	3.00	4.10	2.75	3.80	3.40	3.10	3.20	3.80	2.73	2.49	1.75
12	2.20	2.80	4.20	3.02	4.50	3.15	3.00	3.30	3.75	3.20	2.58	2.71
13	2.10	3.45	4.13	3.40	3.79	3.30	2.64	3.60	3.95	2.89	1.82	2.60
14	2.55	3.10	4.22	3.40	3.42	3.08	2.31	3.62	3.80	3.30	2.50	2.52
15	2.50	3.54	3.77	2.54	3.40	3.10	2.60	3.75	3.50	3.12	3.15	2.53
16	2.60	2.85	3.51	2.49	3.52	3.33	3.20	3.65	3.40	3.22	3.12	2.95
17	2.50	1.78	2.97	2.50	2.90	3.41	3.58	3.87	3.37	3.65	2.92	3.04
18	2.15	2.46	2.49	2.15	2.50	3.30	3.57	3.90	3.38	3.00	3.40	3.30
19	2.20	2.50	2.46	2.43	3.50	3.40	3.44	3.70	3.40	3.03	3.90	3.30
20	2.05	2.21	1.70	3.20	3.75	3.43	3.41	3.54	3.40	3.87	1.40	3.54
21	1.39	3.04	2.20	3.32	3.60	3.49	3.40	3.37	3.60	3.88	3.87	3.73
22	1.60	3.35	3.18	3.30	3.40	3.40	3.50	3.22	3.30	3.20	3.80	3.11
23	2.09	2.23	2.57	3.50	3.39	3.20	3.30	3.30	2.85	3.25	3.50	2.88
24	2.48	2.40	2.99	3.90	3.39	2.75	3.20	2.90	3.18	3.49	3.52	0.88
25	2.47	2.70	3.20	4.00	3.40	2.98	2.90	2.70	3.29	2.70	3.39	2.48
26	1.95	3.45	2.96	4.04	3.29	2.70	2.89	2.57	3.40	3.00	3.35	
27	3.35	3.58	3.15	4.31	3.30	2.20	2.84	2.91	3.29	3.11	3.65	
28	3.25	3.49	3.70	3.20	3.20	2.37	3.18	3.40	3.39	2.73	3.04	
29	2.75	-----	3.94	3.40	2.98	2.65	3.31	3.40	3.33	2.78	2.00	
30	3.22	-----	4.00	3.32	3.16	3.35	3.25 F	3.30	3.38	2.87	2.70	
31	3.35	-----	3.10	-----	3.47	-----	3.30	-----	-----	2.81	-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.27	2.88	3.16	3.19	3.44	3.30	3.09	3.26	3.44	3.26	3.09	2.77
MAX	3.35	3.58	4.22	4.31	4.50	4.30	3.58	3.90	3.95	4.20	3.91	3.73
MIN	1.39	1.65	1.70	2.15	2.50	2.20	2.31	2.57	2.85	2.02	1.40	0.88
DAYS	31	28	31	30	31	30	31	30	21	31	30	25

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 349

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 3.09.

HIGHEST STAGE WAS 4.94 AT 6:00 P.M. ON MAR 14.

LOWEST STAGE WAS 0.40 ON DEC 24.

## DAILY STAGE FOR 1990

DELCAMBRE CANAL AT DELCAMBRE, LA.

LOCATION. LAT. 29-56-55, LONG. 91-58-58. ON RIGHT BANK WHARF 800 FEET DOWNSTREAM FROM STATE HIGHWAY 14 BRIDGE. (STA. 7950013.)

GAGE. STAFF TYPE IN SEVERAL SECTIONS.

GENERAL INFORMATION. THE LOCATION OF GAGE HAS BEEN CHANGED SEVERAL TIMES DURING PERIOD OF RECORD. THE GAGE HAS BEEN LOCATED AT THE PRESENT SITE SINCE JUNE 4, 1963.

RECORDS AVAILABLE. JAN. 1948 TO DATE.

EXTREMES. HIGHEST, 7.0 FEET, FROM WATERMARK LEFT BY HURRICANE OF JUNE 27, 1957. LOWEST, MINUS 3.2 FEET ON NOV. 17, 1951.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.0	1.8	1.4	1.4	2.0	2.0	2.0	2.0	2.0	2.2	2.4	2.8
2	1.0	1.2	1.6	1.4	2.6	3.2	2.0	2.0	2.0	2.2	2.8	2.2
3	1.0	1.8	1.2	1.0	3.8	2.8	1.0	1.6	2.0	3.0	3.0	3.6
4	1.2	1.5	0.8	1.0	3.2	2.4	1.8	1.4	2.0	2.8	3.2	0.2
5	1.0	-1.2	1.2	2.0	1.8	1.2	1.4	1.2	1.2	1.6	2.0	1.4
6	1.0	2.0	2.0	2.8	1.0	1.6	1.4	1.0	2.0	2.6	2.2	2.4
7	1.0	1.4	2.2	-1.0	1.8	2.0	1.6	1.0	2.2	3.0	2.2	2.4
8	-1.0	2.4	3.0	2.0	2.4	1.8	1.2	1.0	2.2	2.8	2.0	1.0
9	1.6	3.0	2.8	2.2	3.4	1.6	1.0	1.4	2.2	3.0	3.2	0.4
10	1.4	2.6	2.6	1.8	1.4	1.4	1.2	1.0	2.4	-1.6	0.6	1.2
11	1.2	-1.0	3.0	1.0	1.2	1.2	1.2	1.0	2.4	-1.4	1.0	1.0
12	1.4	1.4	3.0	0.6	3.2	1.0	1.4	2.0	2.6	1.6	2.0	2.2
13	-1.0	1.8	2.4	2.8	2.6	1.0	1.2	2.4	2.6	1.2	1.0	1.6
14	0.4	1.6	2.6	1.8	1.8	1.2	0.6	2.4	2.2	2.0	1.2	1.0
15	1.4	2.4	3.0	0.6	2.0	1.6	1.2	2.6	2.2	2.0	1.0	1.6
16	0.8	2.2	1.2	1.0	2.4	2.0	2.2	2.6	2.0	2.2	2.2	1.6
17	1.6	1.6	1.0	1.4	2.0	2.2	2.2	2.4	1.0	2.4	1.8	2.2
18	1.4	1.0	1.2	0.6	1.0	2.0	2.2	2.6	2.2	2.0	2.2	2.6
19	1.2	1.6	1.2	1.4	2.0	1.8	1.8	2.0	2.0	1.0	2.8	2.0
20	1.4	1.2	-1.0	2.8	3.0	1.6	1.8	2.6	2.2	2.8	2.4	2.6
21	0.4	2.0	0.8	2.6	2.6	1.4	2.4	1.2	2.4	2.8	3.0	2.8
22	-0.6	3.0	2.2	2.2	1.8	1.8	2.2	1.6	2.0	2.4	2.8	2.4
23	1.4	1.6	1.6	2.2	0.8	1.6	1.4	1.8	1.0	1.8	2.4	1.2
24	1.8	1.0	1.8	2.2	1.6	1.4	1.4	1.2	0.8	2.4	2.0	-2.0
25	2.0	1.2	2.0	2.4	1.6	1.0	1.0	1.0	2.4	1.0	2.6	1.0
26	0.2	2.0	1.6	2.8	1.8	0.8	1.2	1.2	2.4	1.0	2.8	1.4
27	2.2	2.0	1.0	2.8	2.2	1.0	1.8	2.0	2.2	2.0	3.0	2.0
28	2.2	1.6	1.8	1.6	1.8	1.0	1.8	2.4	2.2	1.8	3.0	1.6
29	2.2	-----	1.8	2.4	1.6	1.8	2.2	2.4	1.2	1.8	1.0	2.2
30	1.8	-----	2.8	2.0	2.4	2.6	1.2	1.8	1.8	2.0	1.0	1.8
31	1.2	-----	1.4	-----	2.8	-----	2.0	1.4	-----	2.0	-----	1.0

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.1	1.6	1.8	1.7	2.1	1.7	1.6	1.7	2.0	1.9	2.2	1.7
MAX	2.2	3.0	3.0	2.8	3.8	3.2	2.4	2.6	2.6	3.0	3.2	3.6
MIN	-1.0	-1.2	-1.0	-1.0	0.8	0.8	0.6	1.0	0.8	-1.6	0.6	-2.0
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 1.8.

HIGHEST STAGE WAS 3.8 ON MAY 3.

LOWEST STAGE WAS MINUS 2.0 ON DEC 24.



BLANK PAGE

## DAILY STAGE FOR 1990

## BAYOU LAFOURCHE AT GOLDEN MEADOW FLOODGATE (NORTH) (LA.)

LOCATION. LAT. 29-20-33, LONG. 90-14-44. APPROXIMATELY TWO MILES SOUTH OF GOLDEN MEADOW LA. ON THE UPSTREAM SIDE OF FLOODGATE. (STA. 8225007.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JUNE 13, 1986 TO DATE.

EXTREMES. HIGHEST, 2.57 FEET ON NOV. 25, 1986. LOWEST, MINUS 1.08 FEET ON JAN. 28, 1988.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ. )

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		0.48	0.85	0.87	0.85	1.62	1.08	1.26	1.17	1.27	0.94	1.08
2	0.21	0.43	0.91	0.82	1.09	1.71	0.99	1.20	1.25	1.19	1.11	1.13
3	0.16	0.43	0.26	0.56	1.46	1.45	0.83	1.04	1.28	1.42	1.44	1.76
4	0.24	0.17	0.17	0.41	1.25	1.33	1.01	0.91	1.20	1.20	1.69	1.17
5		-0.56	0.24	0.48	1.13	1.17	1.09	0.93	0.90	1.06	1.66	1.00
6	0.02	0.06	0.50	0.75	0.82	1.18	1.03	0.96	1.21	1.21	1.54	0.97
7	0.03	0.06	0.80	0.40	1.05	1.17	0.93	0.96	1.18	1.40	1.42	1.10
8	-0.26	0.40	0.99	0.81	1.27	1.19	0.73	0.86	1.17	1.48	1.31	0.62
9		0.72	1.18	1.04	1.72	1.17	0.81	0.76	1.27	1.65	1.92	0.00
10	-0.03	0.97	1.31	1.18	1.24	1.12	0.86	0.79	1.33	1.11	0.57	-0.21
11	-0.01	0.30	1.45	0.73	1.24	1.01	0.83	1.05	1.48	1.14	0.48	-0.26
12	0.21	0.22	1.60	0.58	1.54	0.86	1.06	1.21	1.78	1.15	0.23	0.34
13	-0.39	0.55	1.50	0.73	1.39	0.88	0.90	1.41	1.76	0.91	0.02	0.11
14	0.02	0.62	1.51	0.87	1.22	0.91	0.79	1.48	1.59	0.99	0.37	0.14
15	0.01	1.18	1.90	0.48	1.05	1.14	0.86	1.51	1.42	0.79	0.63	0.16
16	0.24	0.84	1.30	0.48	1.10	1.12	1.17	1.49	1.26	0.71	0.66	0.35
17	0.27	0.12	0.80	0.48	0.85	1.12	1.27	1.55	1.18	0.87	0.79	0.39
18		0.33	0.51	0.23	0.76	1.06	1.25	1.51	1.04	0.91	0.90	0.85
19		0.48	0.40	0.23	1.11	1.07	1.29	1.34	1.03	0.88	1.09	0.77
20	0.35	0.20	-0.12	0.95	1.22	1.20	1.32	1.23	1.08	1.27	1.08	0.90
21	0.18	0.73	-0.10	1.01	1.36	1.20	1.25	1.10	1.21	1.26	1.23	0.96
22	-0.08	1.21	0.23	0.88	1.23	1.18	1.21	1.00	1.04	1.58	1.37	1.06
23	-0.06	0.85	0.23	1.12	1.13	1.05	1.03	1.01	0.91	1.27	1.38	1.20
24	0.08	0.14	0.56	1.23	1.29	0.93	0.86	0.61	0.84	1.28	1.26	-0.21
25	0.67	0.01	0.93	1.35	1.31	0.79	0.71	0.60	0.96	0.94	1.17	0.11
26	-0.36	0.21	0.74	1.47	1.33	0.67	0.83	0.70	1.13	0.81	1.09	-0.04
27	0.16	0.61	0.71	1.63	1.42	0.62	0.96	0.92	1.09	0.93	1.29	0.12
28	0.20	0.84	1.00	1.29	1.38	0.76	1.17	1.16	1.19	0.83	1.15	0.15
29	0.74	-----	1.07	1.12	1.21	0.96	1.18	1.17	1.21	0.98	0.85	0.40
30	0.55	-----	1.11	0.99	1.35	1.17	1.16	1.03	1.35	0.70	0.67	0.51
31	0.49	-----	0.97	-----	1.51	-----	1.28	1.07	-----	0.77	-----	0.53

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.14	0.45	0.82	0.84	1.22	1.09	1.02	1.09	1.22	1.10	1.04	0.55
MAX	0.74	1.21	1.90	1.63	1.72	1.71	1.32	1.55	1.78	1.65	1.92	1.76
MIN	-0.39	-0.56	-0.12	0.23	0.76	0.62	0.71	0.60	0.84	0.70	0.02	-0.26
DAYS	26	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 360  
 THE MEAN STAGE FOR THE YEAR WAS 0.89.  
 HIGHEST STAGE WAS 1.99 AT 1:45 P.M. ON MAR 27.  
 LOWEST STAGE WAS MINUS 0.74 ON JAN 26.

## DAILY STAGE FOR 1990

## BAYOU LAFOURCHE AT GOLDEN MEADOW FLOODGATE (SOUTH) (LA.)

LOCATION. LAT. 29-20-30, LONG. 90-14-44. APPROXIMATELY TWO MILES SOUTH OF GOLDEN MEADOW LA. ON THE DOWNSTREAM SIDE OF FLOODGATE. (STA. 8226007.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JUNE 13, 1986 TO DATE.

EXTREMES. HIGHEST, 2.87 FEET ON OCT. 9, 1986. LOWEST, (FROM INCOMPLETE RECORD) MINUS 1.01 FEET ON DEC. 25, 1989.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		0.60	0.96	0.87	0.84	1.68	1.11	1.28	1.21	1.33	1.00	1.10
2	0.29	0.56	1.05	0.82	1.09	1.76	1.02	1.22	1.28	1.23	1.14	1.18
3	0.23	0.54	0.38	0.56	1.49	1.51	0.89	1.07	1.31	1.47	1.47	1.82
4	0.33	0.30	0.30	0.41	1.25	1.35	1.06	0.94	1.22	1.25	1.71	1.19
5		-0.42	0.40	0.48	1.10	1.20	1.13	0.95	0.92	1.13	1.71	0.91
6	0.06	0.21	0.65	0.75	0.82	1.23	1.05	1.01	1.24	1.24	1.57	0.92
7	0.08	0.22	0.80	0.40	1.08	1.20	0.92	0.99	1.22	1.43	1.47	1.07
8	-0.22	0.57	0.99	0.81	1.36	1.25	0.73	0.87	1.20	1.52	1.38	0.57
9		0.88	1.18	1.04	1.80	1.23	0.82	0.84	1.30	1.69	2.01	0.02
10	0.03	1.12	1.31	1.18	1.29	1.17	0.88	0.87	1.36	1.16	0.68	-0.19
11	0.06	0.40	1.45	0.73	1.28	1.06	0.87	1.13	1.52	1.17	0.57	-0.24
12	0.28	0.35	1.60	0.58	1.60	0.88	1.09	1.29	1.80	1.20	0.33	0.40
13	-0.29	0.68	1.50	0.77	1.46	0.90	0.91	1.50	1.77	0.97	0.12	0.31
14	0.13	0.75	1.51	0.92	1.25	0.92	0.80	1.58	1.60	1.03	0.50	0.33
15	0.11	1.31	1.90	0.54	1.08	1.17	0.87	1.62	1.42	0.84	0.76	0.35
16	0.34	0.99	1.30	0.51	1.14	1.18	1.20	1.56	1.26	0.76	0.82	0.54
17	0.37	0.26	0.80	0.30	0.88	1.15	1.27	1.65	1.20	0.90	0.95	0.58
18		0.41	0.51	0.26	0.80	1.08	1.26	1.58	1.04	0.97	1.04	1.02
19		0.59	0.40	0.27	1.17	0.09	1.30	1.44	1.08	0.89	1.24	0.91
20	0.43	0.35	-0.12	0.99	1.26	23	1.34	1.29	1.11	1.31	1.23	1.04
21	0.21	0.87	-0.10	1.03	1.39	1.25	1.27	1.19	1.26	1.29	1.41	1.10
22	-0.04	1.39	0.23	0.88	1.28	1.22	1.21	1.07	1.11	1.61	1.51	1.20
23	0.07	1.00	0.23	1.14	1.19	1.08	1.03	1.08	0.97	1.30	1.57	1.39
24	0.19	0.28	0.56	1.22	1.33	0.95	0.87	0.68	0.86	1.32	1.45	-0.07
25	0.82	0.15	0.93	1.38	1.38	0.80	0.71		0.98	0.97	1.35	0.11
26	-0.22	0.35	0.74	1.50	1.39	0.69	0.86		1.16	0.87	1.29	0.00
27	0.30	0.74	0.71	1.66	1.49	0.63	0.99		1.13	1.00	1.49	0.17
28	0.31	0.98	1.00	1.33	1.45	0.77	1.19		1.23	0.90	1.38	0.26
29	0.89	-----	1.07	1.13	1.27	0.97	1.20		1.28	1.05	1.13	0.50
30	0.70	-----	1.11	1.00	1.40	1.21	1.27	1.05	1.41	0.76	0.68	0.64
31	0.60	-----	0.97	-----	1.58	-----	1.33	1.11	-----	0.82	-----	0.63

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.23	0.59	0.85	0.86	1.26	1.13	1.05	1.19	1.25	1.14	1.16	0.64
MAX	0.89	1.39	1.90	1.66	1.80	1.76	1.34	1.65	1.80	1.69	2.01	1.82
MIN	-0.29	-0.42	-0.12	0.26	0.80	0.63	0.71	0.68	0.86	0.76	0.12	-0.24
DAYS	26	28	31	30	31	30	31	26	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 355

THE MEAN STAGE FOR THE YEAR WAS 0.95.

HIGHEST STAGE WAS 2.02 AT 2:00 P.M. ON APR 27.

LOWEST STAGE WAS MINUS 0.50 ON JAN 26.

## DAILY STAGE FOR 1990

## BAYOU BLUE NEAR CATFISH LAKE (LA.)

LOCATION. LAT. 29-23-31, LONG. 90-20-49. APPROXIMATELY 1.5 MILES NORTHWEST OF CATFISH LAKE.  
(STA. 8230107.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO 1976 GAGE REPORTED AS (STA. 8230007.).

RECORDS AVAILABLE. SEP. 17, 1975 TO DATE.

EXTREMES. HIGHEST, (FROM INCOMPLETE RECORD) 3.75 FEET (CAUSED BY HURRICANE BABE) ON SEP. 6, 1977.  
LOWEST, (FROM INCOMPLETE RECORD) MINUS 0.59 FOOT ON DEC. 25, 1983.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.99	1.00	1.36	1.56	1.70	2.30	1.80	1.90	1.82	1.96	1.81	1.67
2	0.84	1.26	1.60	1.65	1.80	2.45	1.76	1.87	1.80	1.92	1.95	1.92
3	0.76	1.23	1.24	1.43	2.09	2.32	1.60	1.76	1.86	2.24	2.20	2.63
4	0.88	1.40	1.15	1.31	2.00	2.27	1.55	1.65	1.91	2.25	2.44	1.99
5	0.77	0.54	1.33	1.50	2.07	2.02	1.62	1.60	1.69	2.00	2.57	1.68
6	0.99	0.95	1.25	1.66	1.49	1.96	1.66	1.65	1.94	2.04	2.36	1.65
7	0.67	1.07	1.45	0.88	1.55	1.92	1.58	1.60	2.10	2.20	2.28	1.72
8	0.79	1.27	1.55	1.29	1.78	1.87	1.37	1.49	2.10	2.26	2.06	1.29
9	0.92	1.55	1.74	1.49	2.38	1.82	1.38	1.54	2.15	2.36	2.65	1.06
10	0.95	1.90	1.93	1.68	2.14	1.79	1.63	1.57	2.15	1.95	1.99	0.87
11	0.90	1.20	1.99	1.39	1.86	1.72	1.50	1.85	2.24	1.72	1.40	0.81
12	1.06	1.11	2.11	1.00	2.04	1.68	1.71	1.98	2.35	1.85	1.32	
13	0.15	1.22	2.00	1.28	2.27	1.69	1.74	2.13	2.39	1.63	1.11	1.35
14	0.60	1.23	2.03	1.39	2.00	1.66	1.52	2.17	2.27	1.77	1.44	1.37
15	0.72	1.78	2.36	1.29	1.88	1.85	1.59	2.21	2.15	1.64	1.54	1.37
16	0.87	1.82	1.83	1.30	1.95	1.96	1.72	2.16	2.06	1.63	1.68	1.46
17	0.84	0.99	1.50	1.34	1.81	1.96	1.73	2.23	2.01	1.75	1.82	1.50
18	0.92	0.87	1.43	1.14	1.56	1.85	1.63	2.25	1.90	1.89	1.81	1.89
19	0.89	1.09	1.38	1.06	1.77	1.75	1.65	2.20	1.94	1.57	2.06	1.70
20	1.05	0.85	0.76	1.40	2.13	1.80	1.79	2.10	2.00	1.97	2.05	1.87
21	1.08	1.20	0.78	1.60	2.16	1.80	1.82	1.98	2.09	2.04	2.18	1.92
22	0.86	1.97	1.11	1.70	2.04	1.85	1.84	1.96	2.04	2.31	2.28	2.04
23	1.00	2.04	1.06	1.83	1.63	1.75	1.82	1.96	1.75	2.03	2.35	2.25
24	1.10	1.44	1.35	1.88	1.78	1.61	1.74	1.68	1.34	2.04	2.24	1.21
25	1.75	1.04	1.58	1.84	1.85	1.55	1.50	1.59	1.70	1.77	2.17	0.86
26	0.94	0.89	1.50	1.86	1.94	1.45	1.64	1.65	1.87	1.55	2.10	0.75
27	1.15	1.15	1.19	2.05	2.06	1.41	1.63	1.74	1.86	1.66	2.28	1.03
28	1.05	1.32	1.44	2.01	2.13	1.50	1.83	1.87	1.87	1.59	2.40	1.28
29	1.50	-----	1.55	1.97	2.11	1.60	1.91	1.97	1.84	1.70	1.87	1.43
30	1.31	-----	1.68	1.96	2.08	1.85	1.90	1.89	1.89	1.53	2.13	1.56
31	1.15	-----	1.60	-----	2.21	-----	1.92	1.82	-----	1.62	-----	1.49

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.95	1.26	1.51	1.52	1.94	1.83	1.67	1.87	1.97	1.89	2.02	1.52
MAX	1.75	2.04	2.36	2.05	2.38	2.45	1.92	2.25	2.39	2.36	2.65	2.63
MIN	0.15	0.54	0.76	0.88	1.49	1.41	1.37	1.49	1.34	1.53	1.11	0.75
DAYS	31	28	31	30	31	30	31	31	30	31	30	30

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 364  
THE MEAN STAGE FOR THE YEAR WAS 1.67.  
HIGHEST STAGE WAS 2.83 AT 2:00 P.M. ON NOV 9.  
LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 0.04 ON JAN 14.

## DAILY STAGE FOR 1990

BAYOU LAFOURCHE AT LEEVILLE, LA.

LOCATION. LAT. 29-14-52, LONG. 90-12-32. ON WHARF, NORTHEAST OF HIGHWAY 1 BRIDGE. (STA. 8235007.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. ADD 0.4 TO DAILY STAGES PRIOR TO 1956.

RECORDS AVAILABLE. NOV. 4, 1955 TO DATE.

EXTREMES. HIGHEST, 6.62 FEET (CAUSED BY HURRICANE) ON OCT. 28, 1985. LOWEST, MINUS 1.44 FEET ON FEB. 27, 1965.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.83	1.42	1.72	1.69	1.68	2.44	2.00	2.27	2.22	2.22	1.51	1.33
2	0.88	1.25	1.88	1.50	1.83	2.51	2.00	2.17	2.25	2.00	1.56	1.43
3	0.93	1.22	1.19	0.90	2.18	2.35	1.81	2.02	2.25	2.14	1.79	2.35
4	1.15	0.74	0.90	1.10	1.96	2.26	2.10	1.90	2.08	1.89	2.10	1.30
5	0.58	0.08	0.80	1.17	2.00	2.12	2.16	1.95	1.70	1.39	2.30	1.31
6	0.45	0.57	0.96	1.45	1.69	2.17	2.00	1.90	1.95	1.80	2.15	1.36
7	0.42	0.45	1.05	0.67	1.90	2.11	1.90	1.84	1.85	1.90	2.10	1.45
8	0.27	0.85	1.23	1.43	2.22	2.15	1.68	1.70	1.80	2.00	2.00	1.39
9	0.44	1.17	1.50	1.77	2.73	2.07	1.72	1.68	1.95	2.25	3.05	0.72
10	0.50	1.70	1.74	2.07	2.25	2.03	1.75	1.72	2.08	1.70	1.56	0.65
11	0.50	1.00	1.95	1.49	2.13	1.91	1.75	1.84	2.34	2.15	1.44	0.70
12	0.81	0.95	2.30	1.40	2.46	1.80	1.94	2.01	2.73	2.10	1.09	1.15
13	0.16	1.36	2.28	1.60	2.32	1.80	1.82	2.31	2.67	1.85	0.95	0.71
14	0.58	1.50	2.25	1.76	2.10	1.81	1.74	2.51	2.57	1.94	1.00	0.81
15	0.64	2.23	2.67	1.44	1.88	2.03	1.75	2.60	2.40	1.65	1.24	0.75
16	1.00	1.74	2.23	1.42	1.95	2.03	2.07	2.65	2.24	1.41	1.20	1.00
17	0.96	0.55	1.75	1.40	1.77	2.00	2.22	2.73	2.06	1.48	1.30	1.00
18	1.00	1.18	1.45	1.00	1.42	2.05	2.25	2.61	1.85	1.43	1.50	1.50
19	0.87	1.10	1.25	0.95	1.97	2.10	2.39	2.40	1.77	1.26	1.65	1.35
20	1.00	0.69	0.33	1.48	2.05	2.30	2.35	2.17	1.76	1.70	1.69	1.55
21	0.40	1.08	0.60	1.70	2.27	2.30	2.20	2.07	1.83	1.70	1.90	1.53
22	0.34	1.84	0.90	1.71	2.22	2.22	2.16	1.86	1.64	2.16	2.07	1.70
23	0.45	1.65	0.87	2.03	2.06	2.00	1.95	1.85	1.40	1.80	2.18	1.95
24	0.57	0.85	1.15	2.17	2.35	1.86	1.76	1.46	1.34	1.95	2.09	0.59
25	1.30	0.52	1.48	2.25	2.35	1.75	1.61	1.45	1.68	1.57	1.97	0.90
26	0.29	0.87	1.42	2.39	2.30	1.61	1.71	1.50	1.88	1.56	1.92	0.84
27	0.67	1.30	1.52	2.49	2.34	1.53	1.77	1.75	1.94	1.72	2.26	0.90
28	0.70	1.67	1.91	2.25	2.32	1.64	2.05	2.15	2.09	1.65	1.95	0.72
29	1.70	-----	1.99	1.99	2.08	1.82	2.10	2.15	2.16	1.73	1.15	0.80
30	1.25	-----	2.00	1.85	2.22	2.03	2.15	2.07	2.35	1.54	0.98	0.90
31	1.70	-----	1.80	-----	2.35	-----	2.27	2.15	-----	1.46	-----	0.74

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.75	1.13	1.52	1.62	2.11	2.03	1.97	2.05	2.03	1.78	1.72	1.14
MAX	1.70	2.23	2.67	2.49	2.73	2.51	2.39	2.73	2.73	2.25	3.05	2.35
MIN	0.16	0.08	0.33	0.67	1.42	1.53	1.61	1.45	1.34	1.26	0.95	0.59
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 1.66.

HIGHEST STAGE WAS 3.20 AT 6:00 A.M. ON NOV 9.

LOWEST STAGE WAS MINUS 0.02 ON JAN 12.

## DAILY STAGE FOR 1990

BAYOU CHEVREUIL NEAR CHEGBY, LA.

LOCATION. LAT. 29-54-42, LONG. 90-43-48. ON PILING IN BORROW PIT, 300 FEET NORTH OF HIGHWAY 20 BRIDGE, 5.5 MILES NORTHEAST OF CHEGBY, LA. (STA. 8252507.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. DISREGARD GAGE ZERO REPORTED PRIOR TO 1969, GAGE ZERO WAS MINUS 0.60 FOOT NGVD FROM 1951 TO 1975. PRIOR TO 1976 GAGE ZERO WAS MINUS 0.60 FEET, NGVD.

RECORDS AVAILABLE. JULY 11, 1951 TO DATE.

EXTREMES. HIGHEST, 4.35 FEET ON APR. 14 AND LATER DATES IN 1980. LOWEST, MINUS 1.00 FOOT ON JAN. 14, 1956. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1961 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.85	1.88	2.36	2.70	2.37	2.38	1.92	1.65	1.45	1.60	1.55	2.02
2	1.72	1.91	2.50	2.68	2.35	2.40	1.70	1.69	1.69	1.68	1.68	1.91
3	1.58	1.92	2.49	2.67	2.40	2.42	1.43	1.64	1.78	1.84	1.83	2.61
4	1.50	1.95	2.44	2.64	2.45	2.37	1.40	1.57	1.81	1.94	1.92	2.67
5	1.50	1.76	2.37	2.63	2.44	2.29	1.52	1.39	1.80	1.95	1.95	2.62
6	2.14	1.61	2.33	2.63	2.38	2.22	1.64	1.43	1.82	1.90	1.87	2.55
7	2.17	1.82	2.30	2.39	2.29	2.16	1.63	1.55	1.89	1.87	1.87	2.54
8	2.25	1.76	2.30	2.32	2.21	2.14	1.49	1.56	1.88	1.93	1.87	2.48
9	2.20	2.21	2.33	2.24	2.34	2.13	1.51	1.40	1.85	1.95	2.07	2.39
10	2.11	2.24	2.53	2.20	2.31	2.12	1.60	1.26	1.85	1.89	1.82	2.27
11	1.99	2.23	2.64	2.21	2.26	2.09	1.65	1.18	1.87	1.50	1.65	2.15
12	1.87	2.14	2.68	2.15	2.31	2.03	1.71	1.33	1.98	1.25	1.40	2.04
13	1.72	2.06	2.73		2.34	2.05	1.85	1.53	2.06	1.16	1.25	1.98
14	1.54	2.03	2.75		2.67	2.05	1.57	1.65	2.07	1.20	1.25	1.94
15	1.45	2.07	2.80		2.67	2.16	1.33	1.70	2.01	1.37	1.40	1.88
16	1.45	2.17	3.07		2.63	2.12	1.40	1.75	1.92	1.47	1.55	1.83
17	1.54	2.18	3.13		2.59	2.05	1.58	1.80	1.90	1.56	1.56	1.83
18	1.58	2.13	3.11 F	1.67	2.54	1.94	1.67	1.85	1.90	1.65	1.54	1.90
19	1.64	2.34	3.08	1.61	2.50	1.75	1.66	1.89	1.91	1.54	1.59	1.91
20	1.75	2.36	3.03	1.82	2.45	1.68	1.72	1.86	1.90	1.42	1.67	1.87
21	2.25	2.34	2.96	1.98	2.43	1.75	1.84	1.80	1.90	1.60	1.79	2.01
22	2.23	2.66	2.90	1.92	2.38	1.85	1.87	1.80	1.88	1.98	1.89	2.12
23	2.17	2.70	2.82	2.01	2.33	2.00	1.86	1.73	1.83	1.83	1.96	2.24
24	2.07	2.65	2.75	1.94	2.26	1.98	1.90	1.55	1.60	1.66	1.89	2.14
25	2.11	2.63	2.68	2.02	2.23	1.90	1.73	1.29	1.31	1.50	1.92	1.97
26	2.09	2.54	2.63	2.12	2.21	1.74	1.52	1.16	1.33	1.20	1.97	1.78
27	1.99	2.47	2.61	2.21	2.23	1.76	1.46	1.20	1.38	1.06	2.04	1.66
28	1.94	2.41	2.55	2.43	2.24	1.67	1.50	1.35	1.42	1.14	2.10	1.62
29	1.98	-----	2.48	2.40	2.26	1.68	1.56	1.48	1.52	1.21	2.30	1.69
30	1.94	-----	2.56	2.38	2.25	1.81	1.51	1.44	1.58	1.36	2.16	1.76
31	1.86	-----	2.71	-----	2.29	-----	1.57	1.36	-----	1.45	-----	1.75

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.88	2.18	2.67	2.24	2.37	2.02	1.62	1.54	1.77	1.57	1.78	2.07
MAX	2.25	2.70	3.13	2.70	2.67	2.42	1.92	1.89	2.07	1.98	2.30	2.67
MIN	1.45	1.61	2.30	1.61	2.21	1.67	1.33	1.16	1.31	1.06	1.25	1.62
DAYS	31	28	31	25	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 360

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.97.

HIGHEST STAGE WAS 3.13 AT 7:00 A.M. ON MAR 17.

LOWEST STAGE WAS 1.06 ON OCT 27.

## DAILY STAGE FOR 1990

BAYOU DES ALLEMANDS AT DES ALLEMANDS, LA.

LOCATION. LAT. 29-49-26, LONG. 90-28-36. ON HIGHWAY 631 BRIDGE. (STA. 8270007.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

RECORDS AVAILABLE. JAN. 18, 1950 TO DATE.

EXTREMES. HIGHEST 3.92 FEET (CAUSED BY HURRICANE) ON OCT. 29, 1985. LOWEST, MINUS 0.30 FOOT FROM JAN. 13 TO 15, 1956.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		0.95	1.34	1.69	1.85	1.95	1.31	1.20	1.02	1.12		1.82
2		1.19	1.65	1.69	1.87	1.99	1.10	1.22	1.22	1.22		1.81
3		1.20	1.39	1.55	1.91	1.99	0.86	1.15	1.33	1.43		2.04
4		1.20	1.26	1.31	2.00	1.83	0.96	1.06	1.38	1.60		2.04
5		0.81	1.22	1.17	1.91	1.66	1.05	0.93	1.37	1.54 F	1.52	2.03
6		0.70	1.31	1.30	1.72	1.52	1.15	0.99	1.40	1.38		1.68
7		0.82	1.45	1.19	1.49	1.53	1.17		1.50	1.39		1.66
8		0.90	1.62	1.02	1.50	1.57	1.03 F	1.05	1.48	1.35		1.66
9		1.31	1.75	1.12	1.85	1.62	1.02	0.98	1.43	1.37		1.65
10		1.40	1.82	1.26	1.80	1.60	1.13	0.85	1.40	1.46		1.67
11			1.20	1.90	1.37	1.65	1.20	0.85		1.37		1.67
12	F	0.63	1.00	2.02	1.03	1.81	1.26	0.99 F	1.65	1.36	F	0.92
13		0.35	0.95	2.04	0.99	1.90	1.42	1.13		1.35		1.08
14		0.31	1.15	2.11	1.18	2.17	1.50	1.22		1.34	0.87	1.10
15		0.30	1.48	2.28	1.14	2.10	1.55	1.28			0.99	1.17
16		0.48	1.82	2.29	1.05	2.05	1.53	0.99	1.32		1.11	1.17
17		0.72	1.52	2.18	1.12	2.00	1.42	1.11	1.38		1.12	1.20
18		0.81	1.29	2.00	1.09	1.84	1.34	1.18	1.46	1.40	1.15	1.36
19		0.95	1.39	1.90	1.07	1.73	1.09		1.48		1.18	1.31
20		1.10	1.32	1.70	1.35	1.77	1.14	1.46			1.29	1.29
21		1.31	1.30	1.47	1.51	1.73						
22		1.10	1.85	1.40	1.44	1.70	1.27	1.35			1.39	1.49
23		0.95	1.81	1.37	1.32	1.50	1.41	1.34			1.49	1.62
24		0.95	1.55	1.37	1.39	1.47	1.40	1.29			1.54	1.75
25		1.19	1.46	1.39	1.55	1.57	1.39	1.09	F	1.16	1.48	1.50
26							1.33 F	0.81			1.50	1.14
27		0.84	1.31	1.35	1.72	1.66	1.22	1.00	0.70		1.54	0.96
28		0.81	1.28	1.15	1.90	1.73	1.15	1.00	0.79 F	0.94	1.67	0.95
29		0.90	1.33		1.92	1.83	1.16	1.07	0.90	0.97	1.79	1.00
30		1.10	-----		1.82	1.80	1.22	1.13	1.04	1.03 F	1.84	1.10
31		0.79	-----	1.56	1.86	1.81	1.37	1.07	1.00	1.10	1.83	1.27
		0.80	-----	1.68	-----	1.83	-----	1.11	1.03	-----	-----	1.18

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.82	1.27	1.65	1.37	1.79	1.47	1.10	1.11	1.29	1.34	1.41	1.43
MAX	1.31	1.85	2.29	1.92	2.17	1.99	1.32	1.48	1.65	1.60	1.84	2.04
MIN	0.30	0.70	1.15	0.99	1.47	1.09	0.86	0.70	0.94	1.03	0.87	0.92
DAYS	20	28	29	30	31	30	23	30	16	16	18	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 302

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.36.

HIGHEST STAGE WAS 2.39 AT 4:30 A.M. ON MAR 15.

LOWEST STAGE WAS 0.23 ON JAN 14.

## DAILY STAGE FOR 1990

BAYOU BARATARIA AT BARATARIA, LA.

LOCATION. LAT. 29-44-29, LONG. 90-07-56. ON TOUCHARDS MARINE WHARF AT JUNCTION WITH BAYOU VILLARS.  
(STA. 8275007.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. ON DEC. 3, 1981 GAGE RESET TO NGVD. STAGES FROM JAN. 1 THRU DEC. 3, 1981  
WERE CORRECTED TO NEW DATUM.

RECORDS AVAILABLE. JAN. 6 TO SEP. 26, 1950, AND NOV. 2, 1951 TO DATE.

EXTREMES. HIGHEST, 4.25 FEET (CAUSED BY HURRICANE) OCT. 29, 1985. LOWEST, MINUS 0.58 FOOT ON  
(CAUSED BY HURRICANE) ON SEP. 9, 1965. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.62	0.88	1.19	1.54		2.05	1.31	1.32	1.12	1.30	1.39	1.39
2		1.20	1.60	1.60		2.17	1.15	1.28	1.30	1.40	1.51	1.58
3	F 0.61	1.28	1.19	1.31		2.04	0.95	1.17	1.37	1.75	1.63	1.94
4	0.69	1.38	1.05	1.05		1.80	0.95	1.09	1.40	1.80	1.90	1.55
5	0.74	0.58	1.15	1.17	F 1.45	1.55	1.17	0.94	1.30	1.64	2.00	1.30
6	0.98	0.75	1.20	1.33		1.50	1.23	1.02	1.50	1.68	1.75	1.30
7	0.84	0.89	1.34	0.68		1.50	1.20	1.07	1.61	1.74	1.70	1.11
8	0.62	1.00	1.55	0.80		1.53	1.09	1.05	1.60	1.80	1.58	0.91
9	0.70	1.37	1.74	1.10		1.55	1.05	1.00	1.59	0.86		0.74
10	0.72	1.60	1.81	1.25		1.50	1.15	0.99	1.50	1.40		0.69
11	0.70	1.07	1.39	1.20		1.47	1.25	1.11	1.58	1.00		0.66
12	0.60	0.80	2.02	0.75		1.40	1.37	1.20	1.85	1.11		0.92
13	F 0.60	0.90	1.99	0.82		1.40	1.40	1.40	1.84	1.01	F 0.80	1.17
14		1.12	2.05	1.11		1.50	1.15	1.41	1.75	1.17	1.03	1.19
15		1.60	2.30	F 1.35		1.60	0.98	1.45	1.61		1.15	1.19
16	F 0.60	1.86	2.00	1.05	2.00	1.55	1.12	1.45	1.49	F 1.20	1.29	1.20
17	0.80	1.15	1.81	1.18		1.50	1.20	1.50	1.47	1.35	1.27	1.27
18	0.90	0.95	1.53	1.08		1.28	1.19	1.57	1.45	1.50	1.29	1.50
19	0.99	1.19	1.52	0.95		1.10	1.20	1.55	1.51	1.03	1.49	1.32
20	1.18	0.90		1.34		1.25	1.38	1.48	1.59	1.39	1.50	1.45
21	1.15	1.10	F 0.80	1.60		1.34	1.41	1.40	1.65	1.56	1.60	1.51
22	0.83	1.84	1.00	1.54		1.46	1.45	1.40	1.60	1.85	1.78	1.80
23	0.83	1.78	1.01	1.42	F 1.50	1.50	1.44	1.39	1.26	1.53	1.85	1.95
24	1.00	1.31	1.21		1.40	1.32	1.33	1.19	0.80	1.45	1.65	1.20
25	1.50	0.99	1.32		1.50	1.30	1.10	0.91	1.02	1.20	1.70	0.71
26	0.78	0.80	1.20		1.60	1.20	1.01	0.90	1.14	0.87	1.73	0.70
27	0.79	0.97	0.80		1.70	1.15	1.09	0.92	1.14	0.92	1.90	0.90
28	0.80	1.05	0.97		1.75	1.18	1.21	1.07	1.17	1.01	2.06	1.10
29	1.20	-----	1.19		1.70	1.22	1.29	1.20	1.16	1.11	1.50	1.20
30	0.89	-----	1.51		1.72	1.49	1.20	1.18	1.23	1.15	1.11	1.30
31	0.84	-----	1.51	-----	1.95	-----	1.26	1.10	-----	1.22	-----	0.91

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.84	1.15	1.43	1.18	1.66	1.48	1.20	1.22	1.42	1.33	1.54	1.21
MAX	1.50	1.86	2.30	1.60	2.00	2.17	1.45	1.57	1.85	1.85	2.06	1.95
MIN	0.60	0.58	0.80	0.68	1.40	1.10	0.95	0.90	0.80	0.86	0.80	0.66
DAYS	28	28	30	23	11	30	31	31	30	30	26	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 329

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.29.

HIGHEST STAGE WAS 2.51 AT 5:30 A.M. ON MAR 15.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 0.56 ON FEB 5.



## DAILY STAGE FOR 1990

BAYOU BARATARIA AT LAFITTE, LA.

LOCATION. LAT. 29-40-06, LONG. 90-06-36. ON WHARF NEAR MARRERO AND FOURTH STREETS.  
(STA. 8287507.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. OCT. 19, 1955 TO DEC. 31, 1960, AND MAY 1, 1963 TO DATE.

EXTREMES. HIGHEST, 5.05 FEET (CAUSED BY HURRICANE) ON OCT. 29, 1985. LOWEST, (FROM INCOMPLETE RECORDS) MINUS 0.95 FOOT ON DEC. 23, 1989

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.60	1.00		1.53	1.80	2.20	1.50		1.40	1.50	1.30	1.31
2	0.60	1.20 F	1.50	1.60	1.97	2.33	1.30		1.65	1.52	1.47	1.52
3	0.62	1.25	1.16	1.39	2.23	2.10	1.14		1.55	1.99	1.60	2.00
4	0.75	1.25	1.02	1.07	2.20	1.94	1.22			1.95	1.90	1.49
5	0.70	0.49	1.16	1.20	1.90	1.62	1.46	F	1.52	1.64	1.96	1.29
6	0.92	0.78	1.22	1.45	1.41	1.67	1.48		1.62	1.68	1.72	1.32
7	0.78	0.90	1.40	0.82	1.29	1.67	1.35 F	1.40	1.71	1.79	1.68	1.30
8	0.55	1.00	1.60	0.99	1.58	1.70		1.14	1.70	1.90		0.81
9	0.69	1.40	1.79	1.25	2.18	1.64		1.10	1.74	1.99		0.67
10	0.70	1.60	1.85	1.40	1.77	1.58		1.09	1.73	1.37		0.59
11	0.70	1.02	2.03	1.19	1.61	1.50 F	1.35	1.31	1.80	1.09		0.57
12	0.60	0.89	2.17	0.73	2.09	1.40	1.50	1.47 F	1.99	1.21		0.90
13	0.00	1.09	2.12	0.90		1.45	1.48	1.60		1.08 F	0.75	1.06
14	0.45	1.25	2.24	1.21		1.53	1.20	1.68		1.21	0.92	1.09
15	0.58	1.80	2.38 F	1.30 F	2.08	1.62		1.74		1.17	1.09	1.09
16	0.70	1.75	1.94		1.99	1.65		1.75		1.18	1.18	1.10
17	0.80	1.09	1.60 F	1.30	1.88	1.63		1.74		1.35	1.19	1.24
18	0.88	0.90	1.41	1.03	1.49	1.48 F	1.50	1.82		1.40	1.23	1.57
19	0.95	1.10	1.42	1.00	1.75	1.35		1.65 F	1.65	1.06	1.41	1.34
20	1.10	0.89	0.79	1.51	1.96	1.50		1.54	1.64	1.49	1.50	1.52
21	1.10	1.17	0.70	1.63	1.99	1.58		1.38	1.73	1.60	1.65	1.61
22			1.01	1.56	1.70	1.70		1.31	1.63	1.84	1.81	1.87
23		F 1.62	1.05	1.54	1.49	1.61		1.35	1.30	1.53	1.81	2.00
24			1.26	1.61	1.60	1.43		1.09	0.96	1.47	1.69	1.02
25			1.40	1.75	1.68	1.30		0.89	1.21	1.10	1.70	0.60
26			1.30	1.95 F	1.68	1.22 F	1.60	0.91	1.36	0.90	1.75	0.60
27			0.95	2.19		1.15		1.09	1.34	1.03	1.94	0.80
28			1.18	2.02		1.21		1.42	1.40	1.10	2.07	1.00
29 F	1.00	-----	1.35	1.99		1.40		1.48	1.41	1.20	1.49	1.12
30	1.00	-----	1.51	1.90		1.60		1.39	1.45	1.10	0.99	1.30
31	0.95	-----	1.50	----- F	2.15	-----		1.33	-----	1.17	-----	1.10

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.74	1.16	1.47	1.41	1.82	1.59	1.39	1.39	1.54	1.41	1.51	1.19
MAX	1.10	1.80	2.38	2.19	2.23	2.33	1.60	1.82	1.99	1.99	2.07	2.00
MIN	0.00	0.49	0.70	0.73	1.29	1.15	1.14	0.89	0.96	0.90	0.75	0.57
DAYS	24	22	30	29	25	30	13	25	23	31	25	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 308

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.39.

HIGHEST STAGE WAS 2.59 AT 4:30 A.M. ON MAR 15.

LOWEST STAGE WAS MINUS 0.08 ON JAN 13.

## DAILY STAGE FOR 1990

COMITE RIVER AT HOOPER ROAD (HWY 408) NEAR BATON ROUGE, LA.

LOCATION. LAT. 30-31-50, LONG. 91-05-35. ON STATE HIGHWAY 408 BRIDGE SOUTHEAST OF BAKER. (STA. 8501409.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. FOR RECORDS 1965 TO 1991, REFER TO GAGE COMITE RIVER NEAR BAKER, LA.

RECORDS AVAILABLE. NOV. 15, 1990, TO DATE.

EXTREMES. HIGHEST, (FROM INCOMPLETE RECORD) 41.6 FEET ON DEC. 4, 1990. LOWEST, (FROM INCOMPLETE RECORDS) WAS 31.65 FEET ON DEC. 22 1990.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1												32.38
2												32.19
3												33.91
4												41.30
5												37.25
6												33.11
7												32.62
8												32.44
9												32.33
10												32.10
11												31.97
12												31.88
13												31.82
14												31.78
15											F 31.94	31.74
16											31.93	31.72
17											31.93	31.69
18											31.93	31.68
19											31.93	31.72
20											31.93	31.70
21											31.93	31.67
22											31.92	31.65
23											31.94	31.85
24											31.93	33.02
25											31.94	32.10
26											31.95	31.89
27											31.93	31.81
28											32.04	31.77
29		-----									33.93	31.73
30		-----									33.21	31.75
31		-----		-----		-----			-----		-----	32.77

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN											32.14	32.56
MAX											33.93	41.30
MIN											31.92	31.65
DAYS	0	0	0	0	0	0	0	0	0	0	16	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 47

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 32.42.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 41.60 AT 12:30 P.M. ON DEC 4.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 31.65 ON DEC 22.

DAILY STAGE FOR 1990  
COMITE RIVER NEAR BAKER, LA.

LOCATION. LAT. 30-35-47, LONG. 91-05-38. DYER ROAD BRIDGE, 4.5 MILES EAST OF BAKER, LA.  
(STA. 8501609.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JAN. 15, 1965 TO DATE.

EXTREMES. HIGHEST, 73.34 FEET ON APR. 16, 1967. LOWEST, CHANNEL DRY ON OCT. 25, 1973 AND LATER DATES.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	56.90					56.41						
2	56.39			B						F 52.37		
3		F 55.25	57.09				F 52.63					55.25
4	F 55.50	59.55	56.19			B			F 52.40			59.40
5	58.45	F 55.45	B									56.52
6	56.80	F 53.84									F 52.30	
7	56.95				B			F 52.72				
8	57.65											
9	55.92			B						F 52.40		
10		57.07					52.90					
11		56.58							F 52.70			B
12		55.33	B			B						
13		F 53.88						B			F 52.35	
14					B							
15		F 55.21										
16	B	58.38		B						F 52.40		
17		58.95					F 52.77					B
18	F 55.20	55.99							F 52.50			
19	59.55	56.60	B			B						
20	56.40	55.00						F 52.60			F 52.32	F 53.24
21	56.30	F 55.21										
22	55.72	57.70			B							
23	F 54.20	56.42		B						F 53.00		
24	55.39	F 55.22					F 52.60					
25	62.75								F 52.55			
26	67.80		B			F 52.60					F 52.30	F 53.20
27	56.90	B										
28					F 55.20			F 52.60				
29	56.88	-----			56.78					F 52.40		
30	56.27	-----		B								
31		-----		-----		-----	F 52.50		-----		-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	54.40	56.20	56.64		55.99	54.51	52.68	52.64	52.54	52.51	52.32	55.52
MAX	67.80	59.55	57.09		56.78	56.41	52.90	52.72	52.70	53.00	52.35	59.40
MIN	54.20	53.84	56.19		55.20	52.60	52.50	52.60	52.40	52.37	52.30	53.20
DAYS	20	18	2	0	2	2	5	3	4	5	4	5

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 70  
B=CHANNEL DRY F=NOT AT STATED TIME  
THE MEAN STAGE FOR THE YEAR WAS 55.35.  
HIGHEST STAGE WAS 68.35 AT 4:00 A.M. ON JAN 26.  
LOWEST STAGE WAS NOT DETERMINED.

DAILY STAGE FOR 1990  
WHITE BAYOU NEAR ZACHARY, LA.

LOCATION. LAT. 30-38-12, LONG. 91-07-39. LOWER ZACHERY ROAD, TWO MILES SOUTHEAST OF ZACHARY, LA.  
(STA. 8501909.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U. S. GEOLOGICAL SURVEY. PRIOR TO AUG. 1972,  
GAGE WAS MAINTAINED BY U. S. ARMY CORPS OF ENGINEERS, NEW ORLEANS DISTRICT, AND THE GAGE ZERO  
WAS AT NGVD. ALSO, DAILY READINGS WERE AT EIGHT A.M.

RECORDS AVAILABLE. JAN. 1965 TO DATE.

EXTREMES. HIGHEST, 23.24 FEET ON APR. 6, 1983. LOWEST, 2.02 FEET ON OCT. 29, 1990.  
EXTREMES HAVE BEEN CORRECTED TO PRESENT DATUM.

MEAN DAILY STAGE IN FEET												GAGE ZERO, 65.00 FEET, NGVD											
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC											
1	6.60	3.93			3.06	5.54	2.36	2.32	2.11	2.29	2.08	2.74											
2	4.43	3.69			2.89	4.17	2.33	2.30	2.19	2.30	2.07	3.29											
3	3.83	5.88			2.79	3.47	2.61	2.30	2.17	2.33	2.07	8.89											
4	12.04	14.79			2.70	3.44	2.79	2.28	2.13	2.67	2.08	9.23											
5	14.44	7.36			2.62	3.12	2.83	2.21	2.22	2.94	2.24	4.13											
6	8.72	4.55			2.56	2.98	2.74	2.54	2.19	2.88	2.13	3.30											
7	10.02	4.84			2.51	2.91	2.74	2.59	2.18	2.81	2.09	3.33											
8	9.37	5.01	3.25		2.55	2.86	2.72	3.39	2.16	2.78	2.09	3.22											
9	4.83	7.75	3.22		4.74	2.73	2.80	3.10	2.13	2.56	3.17	3.12											
10	4.03	11.34	3.19	3.84	4.09	2.65	2.80	2.75	2.16	2.23	2.72	2.94											
11	3.68	6.80	3.14	5.16	3.29	2.99	2.88	2.53	2.42	2.15	2.32	2.74											
12	3.48	4.28	3.38	3.75	3.02	2.87	2.94	2.38	2.41	2.13	2.19	2.57											
13	3.33	3.78		3.25	2.88	2.64	3.79	2.30	2.42	2.11	2.14	2.46											
14	3.23	3.94		3.71	3.24	2.52	3.40	2.23	2.38	2.13	2.11	2.40											
15	3.17	8.02		4.42	2.99	2.82	2.87	2.19	2.23	2.13	2.10	2.34											
16	3.14	9.53		3.67	2.79	2.52	2.55	2.19	2.20	2.13	2.11	2.32											
17	3.15	5.69		3.25	2.69	2.41	2.52	2.18	2.17	2.15	2.11	2.29											
18	7.23	5.74		3.04	2.61	2.43	2.46	2.17	2.15	2.20	2.11	2.30											
19	14.55	10.19		2.89	2.54	2.37	2.48	2.15	2.17	2.24	2.12	2.33											
20	8.27	5.64		2.82	2.49	2.35	3.51	2.18	2.12	2.25	2.11	2.33											
21	9.12	5.28		2.74	2.46	2.33	2.87	2.24	2.09	2.35	2.12	2.30											
22	5.06	12.78		2.70	2.77	2.32	3.01	2.42	2.11	2.65	2.13	2.36											
23	4.02	7.49		2.67	2.62	3.13	3.13	2.29	2.15	2.29	2.16	2.52											
24	12.28	4.40		2.63	2.63	2.57	2.86	2.61	2.18	2.19	2.16	2.40											
25	19.98	3.72		2.74	2.50	2.45	2.77	2.66	2.19	2.12	2.17	2.31											
26	13.41	3.45		3.19	2.47	2.59	2.71	2.40	2.21	2.10	2.16	2.27											
27	5.09	3.31		4.23	2.51	2.81	2.57	2.23	2.24	2.10	2.17	2.26											
28	4.46	3.21		5.33	4.92	2.42	2.52	2.15	2.26	2.08	2.70	2.36											
29	11.87	-----		3.81	11.64	2.37	2.46	2.13	2.28	2.06	3.81	2.33											
30	8.07	-----		3.28	4.76	2.54	2.29	2.11	2.29	2.06	3.23	3.65											
31	4.58	-----		-----	3.96	-----	2.29	2.10	-----	2.07	-----	3.73											

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	7.40	6.30	3.24	3.48	3.30	2.84	2.76	2.41	2.21	2.31	2.30	3.12
MAX	19.98	14.79	3.38	5.33	11.64	5.54	3.79	3.59	2.42	2.94	3.81	9.23
MIN	3.14	3.21	3.14	2.63	2.46	2.32	2.29	2.10	2.09	2.06	2.07	2.26
DAYS	31	28	5	21	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 330  
THE MEAN STAGE FOR THE YEAR WAS 3.47.  
HIGHEST STAGE WAS 20.27 AT 6:45 P.M. ON JAN 25.  
LOWEST STAGE WAS 2.02 ON OCT 29.

## DAILY STAGE FOR 1990

AMITE RIVER NEAR DENHAM SPRINGS, LA.

LOCATION. LAT. 30-27-50, LONG. 90-59-25. U. S. HIGHWAY 190 (WESTBOUND) BRIDGE, THREE MILES  
SOUTHWEST OF DENHAM SPRINGS, LA. (STA. 8504009.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U. S. GEOLOGICAL SURVEY. DRAINAGE AREA, 1,280  
SQUARE MILES. PRIOR TO 1977 GAGE ZERO WAS 3.87 FEET, NGVD.RECORDS AVAILABLE. STAGE, SEP. 1938 TO DATE. PUBLISHED BY CORPS OF ENGINEERS SINCE 1946.  
DISCHARGE, 1955, OBSERVED BY CORPS OF ENGINEERS. COMPUTED DAILY, IN REPORTS OF U.S. GEOLOGICAL  
SURVEY.EXTREMES. HIGHEST, 41.50 FEET ON APR. 8, 1983. LOWEST, 8.43 FEET ON NOV. 18, 1938. EXTREMES  
HAVE BEEN ADJUSTED TO NGVD.

## MEAN DAILY STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	25.50	20.66	15.67	15.31	13.40	18.41	12.27	12.12	10.96	10.84	10.80	12.13
2	25.49	17.69	23.66	14.70	12.80	22.40	11.78	11.85	10.97	10.82	10.79	11.48
3	23.21	16.70	26.24	15.68	12.51	23.24	11.70	11.92	11.02	10.82	10.79	16.52
4	21.56	21.51	25.70	15.11	12.35	20.33	11.78	11.66	10.99	11.27	10.80	23.47
5	26.19	23.89	23.42	13.85	12.26	15.99	12.12	11.73	11.09	11.43	10.98	23.26
6	25.97	21.77	19.09	13.40	12.18	15.06	11.73	11.55	10.94	11.12	10.95	16.29
7	25.82	19.23	16.43	13.17	12.13	14.00	11.64	11.84	10.91	11.05	10.95	13.71
8	26.57	17.84	15.65	12.95	12.09	14.53	11.58	12.44	10.91	10.96	10.93	12.92
9	26.20	19.25	15.18	12.83	13.75	13.03	11.75	11.80	10.92	10.89	11.92	12.61
10	24.81	22.84	15.09	12.81	14.28	12.78	11.89	11.40	11.04	10.84	11.61	12.26
11	21.22	24.95	14.61	13.81	14.23	12.65	12.40		11.66	10.78	11.62	11.96
12	17.06	25.16	14.34	13.97	13.27	13.42	12.63		12.09	10.76	11.36	11.79
13	15.59	23.19	14.30	13.47	12.71	13.40	13.19		11.93	10.76	11.07	11.67
14	14.85	18.68	14.21	13.14	12.83	12.97	12.51		12.73	10.77	10.95	11.59
15	14.35	17.97	14.32	13.60	12.92	12.63	12.06		11.87	10.77	10.90	11.51
16	14.02	24.13	18.83	13.69	13.52	12.49	11.70		11.71	10.77	10.87	11.46
17	13.80	27.87	18.64	13.16	12.99	12.30	11.63	11.05	11.63	10.76	10.85	11.43
18	15.20	29.87	16.26	12.84	12.56	12.15	11.67	11.04	11.23	10.75	10.83	11.54
19	25.17	28.67	14.90	12.64	12.42	12.05	11.59	11.04	11.70	10.72	10.82	11.62
20	26.96	26.23	14.22	12.54	12.33	11.95	11.58	11.07	11.74	10.71	10.82	11.46
21	26.18	23.56	13.82	12.48	12.17	11.90	11.56	11.33	11.30	11.23	10.82	11.42
22	25.03	24.72	13.58	12.43	12.11	11.85	11.60	12.15	11.07	13.99	10.81	11.69
23	23.02	25.93	13.44	12.38	12.33	14.42	11.87	13.22	11.00	11.86	10.85	12.58
24	21.81	25.35	13.33	12.34	13.25	14.35	12.11	11.40	11.07	11.75	10.85	13.60
25	28.45	23.08	13.23	12.35	12.83	13.76	11.65	11.28	11.00	11.21	10.86	13.10
26	35.88	18.82	13.12	12.61	12.38	12.64	11.54	11.22	10.91	10.97	10.88	12.24
27	37.76	16.49	13.03	13.29	12.14	12.53	11.45	11.12	10.89	10.88	10.86	11.82
28	30.96	15.71	12.96	14.42	12.43	12.58	11.43	11.07	10.88	10.84	11.14	11.77
29	26.39	-----	13.02	14.59	17.94	12.24	11.91	11.03	10.87	10.84	12.40	11.67
30	25.37	-----	17.36	14.23	18.15	12.28	11.46	11.00	10.86	10.82	13.60	11.70
31	23.91	-----	16.98	-----	15.02	-----	11.42	10.97	-----	10.81	-----	12.19

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	23.69	22.21	16.28	13.46	13.17	14.14	11.85	11.53	11.26	11.06	11.12	13.05
MAX	37.76	29.87	26.24	15.68	18.15	23.24	13.19	13.22	12.73	13.99	13.60	23.47
MIN	13.80	15.71	12.96	12.34	12.09	11.85	11.42	10.97	10.86	10.71	10.79	11.42
DAYS	31	28	31	30	31	30	31	25	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 359

THE MEAN STAGE FOR THE YEAR WAS 14.41.

HIGHEST STAGE WAS 39.88 AT 6:30 A.M ON JAN 27.

LOWEST STAGE WAS 10.70 ON OCT 20 AND LATER DATE(S).

## DAILY STAGE FOR 1990

## ALLIGATOR BAYOU AT SPANISH LAKE FLOODGATE (LA.) (UPPER)

LOCATION. LAT. 30-19-15, LONG. 91-01-12. ABOUT 100 FEET SOUTH OF FLOODGATE, TWO MILES SOUTH OF KLEINPETER, LA. (STA. 8505009.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. DAILY STAGES WERE NOT IN ERROR AS REPORTED IN 1957, THEREFORE SUBTRACT 0.5 FROM DAILY STAGES IN 1957 AND 1958.

RECORDS AVAILABLE. JAN. 29, 1955 TO MAY 14, 1973 AND APR. 25, 1974 TO DATE.

EXTREMES. HIGHEST, 10.66 FEET ON APR. 11, 1980. LOWEST, MINUS 0.40 FOOT ON JULY 12, 1964.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		7.40 F	7.85	6.50	6.03	6.03	6.26	5.80	5.49 F	5.61	5.58	5.85
2		7.45		6.25	6.04	6.08	5.55	5.78	5.47	5.58	5.60	5.83
3		7.47		6.12	6.02	6.07	5.02	5.79	5.48	5.60	5.60	6.26
4		7.49		5.88	6.04	6.04	5.80	5.80	5.46	5.62	5.61	6.41
5		7.48		5.51	6.00	6.06	6.11	5.80	5.45	5.64	5.68	6.43
6	F	7.58	7.25		5.05	6.00	6.05	5.78	5.45	5.62	5.67	6.43
7		7.61	7.21		5.69	6.00	6.05	5.74	5.43	5.60	5.67	5.60
8		7.70	7.11 F	7.98	5.77	5.98	6.05 F	5.73	5.43	5.61	5.67	6.22
9		7.59	7.29		5.84	6.16	6.04 F	5.74 F	5.56	5.55	5.79	6.28
10		7.41	7.49		5.88	6.19	6.03	5.79 F	5.55	5.57	5.78	6.29
11		7.25			6.00	6.19	6.01	5.70	5.55	5.54	5.79	4.83
12		7.09			6.03	6.20	6.01	5.68	5.61	5.52	5.78	6.00
13		6.88	F	7.48	6.08	6.20	6.01	5.48	5.67	5.61	5.79	6.02
14		6.69			6.09	6.19	6.01	5.71	5.67	5.74	5.52	4.24
15		6.49 F	7.10		6.12	5.31	6.01	5.77	5.65	5.72	5.51	5.63
16		6.28	7.00		6.13	5.72	6.01	5.79	5.63		5.51	5.69
17	F	6.00	6.98		6.16	5.80	6.00	5.80	5.61 F	5.68	5.49	5.71
18		5.81	6.92		5.38	5.80 F	5.42	5.80 F	5.60	5.70	5.50	5.79
19		6.44	7.61		5.52	5.82	5.90	5.80	5.60	5.71	5.50	5.87
20		6.61	F	7.40	5.71	5.81	5.90	5.80 F	5.61	5.50	5.74	5.89
21		6.71 F	7.87 F	7.29	5.74	5.81	5.91	5.80	5.59 F	5.74	5.50	5.91
22		6.78		7.19	5.78	5.81	5.90	5.88	5.60 F	5.72	5.69	5.94
23		6.80		7.04	5.79	5.81	6.30	5.87	5.60 F	5.70	5.69	5.98
24		6.48		6.85	5.80	5.81	6.41	5.85	5.59	5.69	5.74	5.98
25		7.05		6.64	5.80	5.80	6.18	5.88	5.58 F	5.67	5.64	5.99
26		7.23		6.45	5.82	5.79	5.48	5.85	5.56	5.67	5.63	6.00
27		7.28		6.21	5.83	5.78	6.17	5.84	5.55 F	5.61	5.63	6.00
28		7.30		5.98	6.01	5.81	6.19	5.84	5.51	5.62	5.63	6.02
29		7.35	-----	5.77	6.03	5.87	6.19	5.82	5.51	5.63	5.62	6.07
30		7.40	-----	6.32	6.05	5.88	5.49	5.80	5.51 F	5.63	5.61	6.09
31		7.41	-----	6.59	-----	5.89	-----	5.80	5.49	-----	5.61	6.09

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	6.97	7.32	6.87	5.88	5.92	6.00	5.86	5.65	5.60	5.58	5.73	5.91
MAX	7.70	7.87	7.98	6.50	6.20	6.41	6.31	5.80	5.74	5.69	5.85	6.43
MIN	5.81	6.92	5.77	5.05	5.31	5.42	5.02	5.49	5.43	5.49	5.58	4.24
DAYS	26	16	15	30	31	30	30	31	27	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 328

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 6.01.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 7.98 AT 1:00 P.M. ON MAR 8.

LOWEST STAGE WAS 4.23 ON DEC 14.

## DAILY STAGE FOR 1990

## ALLIGATOR BAYOU AT SPANISH LAKE FLOODGATE (LA.) (LOWER)

LOCATION. LAT. 30-19-18, LONG. 91-01-14. ON NORTH SIDE OF FLOODGATE, TWO MILES SOUTH OF KLEINPETER, LA. (STA. 8507509.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. DAILY STAGES WERE NOT IN ERROR AS REPORTED IN 1957, THEREFORE SUBTRACT 0.5 FROM DAILY STAGES IN 1957 AND 1958.

RECORDS AVAILABLE. FEB. 4, 1955 TO DATE.

EXTREMES. HIGHEST, 15.71 FEET ON APR. 10, 1983. LOWEST, MINUS 2.42 FEET ON APR. 29, 1960.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	7.45	10.03			1.70	5.28	1.11	0.90	1.22	1.97	2.44	2.47
2	6.96	8.98			1.64	4.45	3.94	1.61	1.83	1.67	2.32	2.06
3	6.20	7.91		5.48	1.75	3.69	4.07	1.36	1.92	1.80	1.85	7.33
4	6.23	7.26		5.14	1.93	3.05	1.43	1.09	1.76	1.76	1.83	7.68
5	7.53	6.40		4.80	1.50	1.71	2.33	0.84	1.63	1.98	2.10	6.68
6	7.30	6.14		4.75	1.43	1.44	2.24	1.27	1.83	2.26	2.58	4.81
7	7.23	6.29		2.72	1.34	1.34	2.34	1.53	1.63	1.85	2.35	4.85
8	7.19	6.06		2.55	1.73	2.25	1.89	1.93	1.35	1.72	1.86	3.62
9	6.88	6.75		2.55	3.68	1.52	2.26	2.05	1.14	1.67	2.48	2.13
10	6.71	7.47		2.36	2.28	1.50	3.42	1.67	1.74	2.26	2.37	1.76
11	6.48	6.95		2.55	2.03	1.45	1.42	1.55	1.54		1.59	4.64
12	6.13	6.94		2.12	2.29	1.39	4.53	1.34	2.69	1.67	1.59	1.62
13	5.78	6.59		1.89	2.08	1.44	2.96	1.22	1.89		1.37	1.54
14	5.53	6.26		1.97	2.25	1.67	1.39	1.19	2.18		1.53	3.69
15	5.36	6.02		1.87	3.44	1.59	1.10	1.16	2.83		1.51	1.44
16	5.21			1.71	1.81	1.19	1.15	1.10	1.48		1.56	1.30
17	5.07			1.56	1.59	0.70	1.99	1.23	1.49	1.32	1.56	1.32
18	4.94			3.83	1.35	0.42	1.92	1.36	2.25		2.22	1.19
19	6.34			2.13	1.78	0.28	1.66	1.26	3.53		1.76	1.45
20	5.67			1.91	1.37	0.57	1.66	1.24	2.40		1.58	1.66
21	5.91			2.12	0.95	0.75	1.54	2.17	2.02	1.76	1.53	1.46
22	5.81			1.57	0.96	0.83	1.53	1.81	1.56	4.68	1.77	1.53
23	5.21			1.53	1.32	5.99	1.37	1.89	1.70		1.41	2.22
24	5.63			1.27	1.57	4.88	1.19	0.76	2.55		2.23	2.29
25	8.12			1.71	1.67	4.45	1.05	0.30	1.95		1.90	1.77
26	7.93			2.20	1.82	4.53	1.21	0.77	1.61		1.41	1.20
27	9.89			2.41	1.89	1.36	1.21	1.19	1.29		1.57	1.36
28	11.47			3.00	2.02	1.19	1.38	1.45	1.30		2.06	1.55
29	12.11	-----		2.25	2.03	1.33	1.22	1.30	1.38		3.14	1.58
30	11.99	-----		1.88	2.78	4.52	0.95	0.68	1.78		3.28	1.48
31	11.20	-----		-----	2.32	-----	0.84	0.76	-----		-----	1.42

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	7.14	7.07		2.57	1.88	2.23	1.88	1.29	1.85	2.03	1.96	2.62
MAX	12.11	10.03		5.48	3.68	5.99	4.53	2.17	3.53	4.68	3.28	7.68
MIN	4.94	6.02		1.27	0.95	0.28	0.84	0.30	1.14	1.32	1.37	1.19
DAYS	31	15	0	28	31	30	31	31	30	14	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 302

THE MEAN STAGE FOR THE YEAR WAS 2.80.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 12.20 AT 4:00 P.M. ON JAN 29.

LOWEST STAGE WAS MINUS 0.11 ON AUG 25.

## DAILY STAGE FOR 1990

BAYOU MANCHAC AT HOPE VILLA, LA.

LOCATION. LAT. 30-20-38, LONG. 90-59-00. ON U.S. HIGHWAY 61 (NORTHBOUND) BRIDGE.  
(STA. 8510009.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

RECORDS AVAILABLE. FEB. 6, 1945 TO OCT. 8, 1958, AND JULY 19, 1960 TO DATE.

EXTREMES. HIGHEST (FROM INCOMPLETE RECORD) 15.60 FEET ON APR. 8, 1983. LOWEST, MINUS 1.63 FEET  
ON DEC. 19, 1954.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	5.97	8.54	4.34	4.11	1.63	4.93	0.95	0.87	0.72	1.57	1.47	1.97
2	5.80	7.21	8.11	3.59	1.55	4.01	0.50	0.93	1.43	1.43	1.59	1.98
3	5.40	6.00	6.54	3.85	1.67	3.43	2.54	0.79	1.47	1.72	1.73	7.50
4	4.92	5.84	6.60	3.12	1.85	2.93	1.20	0.62	1.43	1.70	1.83	6.14
5	6.36	4.77	6.50	2.60	1.34	1.57	2.13	0.51	1.34	1.71	1.64	4.95
6	6.08	4.31	5.80	2.23	0.92	1.33	1.94	0.97	1.55	1.73	1.39	3.86
7	6.45	4.70	4.90	1.28	1.18	1.22	1.62	1.08	1.37	1.60	1.32	3.92
8	6.13	4.08	4.54	1.61	1.60	2.11	1.18	1.29	1.17	1.60	1.30 F	1.37
9	5.82	5.65	4.41	1.78	3.38	1.39	1.64	1.23	0.95	1.56	2.45	0.82
10	5.77	7.33	5.12	1.66	2.11	1.38	3.00	0.94	1.43	1.37	1.42	0.32
11	5.36	5.75	4.61	1.80	1.93	1.34	1.25	0.97	1.19	0.71	0.38	2.52
12	4.38	5.60	4.34	1.42	2.25	1.31	3.24	1.04	2.40	0.65	0.64	0.87
13	3.55	5.36	4.43	1.33	2.10	1.38	2.75	0.95	1.66	0.46	0.70	1.02
14	3.26	4.82	4.12	1.61	2.21	1.60	0.81	0.87	1.88	0.53	0.94	2.26
15	3.08	4.27	4.07	1.48	2.40	1.55	0.61	0.90	2.59	0.91	1.24	1.04
16	3.02	5.18	6.78	1.40	1.87	1.13	0.71	0.95	1.35	1.00	1.55	0.96
17	3.00	5.25	5.57	1.31	1.30	0.65	1.32	1.09	1.16	1.26	1.45	1.09
18	2.92	6.51	5.16	1.08	1.25	0.37	1.38	1.27	1.53	1.47	1.37	1.04
19	5.79	10.26	4.56	1.78	1.74	0.27	1.42	1.18	2.71	1.34	1.41	1.01
20	4.91	9.72	4.02	1.79	1.34	0.57	1.52	1.16	1.67	1.55	1.36	1.39
21	5.78	8.67	2.01	2.02	0.94	0.75	1.47	1.41	1.42	1.64	1.49	1.33
22	5.64	9.62	3.08	1.49	0.95	0.83	1.45	1.25	1.19	4.31	1.49	1.44
23	4.84	8.20	3.14	1.41	1.22	6.16	1.32	1.38	0.78 F	2.16	1.45	1.93
24	4.47	7.59	3.17	1.22	1.49	4.24	0.96	0.35	0.97	1.30	1.33	0.78
25	8.20 E	7.00	3.10	1.66	1.61	3.36	0.98	-0.08	0.87	0.97	1.41	0.50
26	7.65	5.86	2.97	2.09	1.77	3.23	1.19	0.32	0.71	0.39	1.46	0.77
27	11.07	5.17	2.77	2.35	1.88	1.17	1.15	0.91	0.64	0.50	1.54	1.16
28	14.43	4.69	2.81	2.81	1.89	0.97	1.41	1.05	0.74	0.64	1.99	1.37
29	13.00	-----	2.88	2.15	1.87	1.20	1.17	0.93	0.94	0.75	1.84	1.38
30	11.30	-----	5.96	1.81	2.21	3.10	0.95	0.47	1.46	1.09	1.65	1.34
31	9.61	-----	4.75	-----	2.09	-----	0.90	0.30	-----	1.40	-----	1.13

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	6.26	6.36	4.55	1.99	1.73	1.98	1.44	0.90	1.36	1.32	1.43	1.91
MAX	14.43	10.26	8.11	4.11	3.38	6.16	3.24	1.41	2.71	4.31	2.45	7.50
MIN	2.92	4.08	2.01	1.08	0.92	0.27	0.50	-0.08	0.64	0.39	0.38	0.32
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

E=ESTIMATED F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 2.58.

HIGHEST STAGE WAS 14.43 AT 8:00 A.M. ON JAN 28.

LOWEST STAGE WAS MINUS 0.15 ON AUG 25.



## DAILY STAGE FOR 1990

AMITE RIVER AT PORT VINCENT, LA.

LOCATION. LAT. 30-19-57, LONG. 90-51-07. ON SOUTH SIDE OF HIGHWAY 42 BRIDGE. (STA. 8517509.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U. S. GEOLOGICAL SURVEY. PRIOR TO OCT. 23, 1983, GAGE WAS MAINTAINED BY U. S. ARMY CORPS OF ENGINEERS, NEW ORLEANS DISTRICT. ALSO, DAILY READINGS WERE AT EIGHT A.M.

RECORDS AVAILABLE. DEC. 15, 1954 TO JUNE 18, 1974 AND JUNE 21, 1975 TO DATE.

EXTREMES. HIGHEST, 14.59 FEET ON APR. 9, 1983. LOWEST, MINUS 1.60 FEET ON DEC. 19, 1954.

## MEAN DAILY STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3.30	4.24	2.30	2.19	1.72	2.77	1.11	1.34	1.37	1.97	1.78	2.36
2	3.19	3.05	3.45	1.98	1.73	2.92	0.59	1.33	1.83	1.87	1.97	2.40
3	3.08	2.33	3.71	1.71	2.02	2.86	0.55	1.11	1.84	2.11	2.15	2.97
4	2.81	2.02	4.00	1.33	2.12	2.42	1.40	0.91	1.71	2.01	2.25	3.01
5	3.08	1.96	3.82	0.84	1.54	1.64	1.72	0.93	1.67	2.06	1.98	2.86
6	3.57	2.23	3.08	0.88	1.36	1.61	1.30	1.21	1.81	2.07	1.91	2.37
7	3.85	2.11	2.49	1.17	1.68	1.61	0.91	1.35	1.60	2.04	1.82	1.83
8	3.81	1.95	2.52	1.76	1.94	1.70	0.86	1.48	1.50	2.08	1.87	1.38
9	3.67	2.33	2.74	1.88	2.37	1.65	1.21	1.41	1.45	2.08	2.05	0.79
10	3.32	2.75	2.72	1.78	2.22	1.67	1.31	1.29	1.50	1.69	1.14	0.39
11	2.61	2.98	2.59	1.57	2.23	1.57	1.35	1.39	1.64	1.24	0.89	0.55
12	1.47	2.95	2.52	1.39	2.47	1.56	1.49	1.50	1.90	1.14	0.92	0.88
13	0.92	2.75	2.52	1.53	2.36	1.64	1.42	1.51	2.08	0.96	0.94	1.11
14	1.02	2.35	2.51	1.64	2.42	1.83	1.11	1.48	2.10	1.15	1.26	1.11
15	1.10	2.29	2.74	1.46	2.20	1.71	1.14	1.49	1.97	1.29	1.63	1.18
16	1.28	2.73	3.49	1.39	2.01	1.41	1.39	1.50	1.48	1.39	1.83	1.22
17	1.41	3.14	3.36	1.33	1.72	1.08	1.63	1.59	1.59	1.62	1.74	1.34
18	1.56	4.79	2.85	1.21	1.73	0.78	1.69	1.63	1.85	1.79	1.76	1.33
19	2.47	7.55	2.20	1.54	2.01	0.90	1.75	1.49	1.77	1.79	1.79	1.42
20	3.10	7.08	1.48	2.20	1.68	1.14	1.83	1.51	1.74	2.02	1.82	1.77
21	3.72	5.77	1.23	2.27	1.45	1.24	1.77	1.62	1.72	2.11	1.96	1.83
22	3.53	5.34	1.22	1.72	1.55	1.21	1.70	1.45	1.51	2.33	1.99	1.92
23	2.87	4.94	1.26	1.55	1.73	1.67	1.48	1.17	1.29	1.97	1.93	1.64
24	2.37	4.71	1.44	1.67	1.86	1.50	1.21	0.51	1.43	1.73	1.87	0.83
25	3.19	4.22	1.53	2.02	1.93	1.28	1.22	0.42	1.39	1.22	1.90	0.86
26	5.45	3.30	1.28	2.39	2.08	1.20	1.50	0.91	1.28	0.85	1.93	1.09
27	10.62	2.54	1.19	2.68	2.15	1.21	1.58	1.50	1.21	1.02	2.06	1.52
28	11.52	2.36	1.44	2.70	2.14	1.27	1.78	1.63	1.35	1.19	2.33	1.57
29	9.83	-----	1.68	2.28	2.04	1.51	1.51	1.37	1.56	1.36	2.16	1.66
30	7.39	-----	2.37	1.93	2.27	1.55	1.47	0.81	1.97	1.50	2.10	1.57
31	5.58	-----	2.35	-----	2.41	-----	1.37	0.79	-----	1.75	-----	1.42

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	3.76	3.46	2.39	1.73	1.97	1.60	1.37	1.28	1.64	1.66	1.79	1.55
MAX	11.52	7.55	4.00	2.70	2.47	2.92	1.83	1.63	2.10	2.33	2.33	3.01
MIN	0.92	1.95	1.19	0.84	1.36	0.78	0.55	0.42	1.21	0.85	0.89	0.39
DAYS	31	28	31	30	31	30	31	31	29	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 364  
 THE MEAN STAGE FOR THE YEAR WAS 2.01.  
 HIGHEST STAGE WAS 11.83 AT 7:00 P.M. ON JAN 26.  
 LOWEST STAGE WAS NOT DETERMINED.

## DAILY STAGE FOR 1990

AMITE RIVER AT FRENCH SETTLEMENT, LA.

LOCATION. LAT. 30-16-30, LONG. 90-46-55. ON LEFT BANK ABOUT 200 FEET WEST OF STATE HIGHWAY 16 BRIDGE.  
(STA. 8522509.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1949. DAILY, JAN. 1, 1950 TO FEB. 17, 1951, AND DEC. 16, 1954 TO DATE.

EXTREMES. HIGHEST, (FROM INCOMPLETE RECORD) 7.4 FEET ON APR. 25, 1978. LOWEST, MINUS 1.50 FEET ON DEC. 19, 1954.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.36	F	2.28	2.37	2.06	2.80	1.32	1.40		2.17	2.10	
2	2.16			2.24	2.01	2.78	0.74	1.47		2.03	2.22	
3	2.25			1.94	2.16	2.68	0.55	1.34		2.34	2.36	
4	2.06			1.58	2.33	2.31	1.41	1.17 F	1.83	2.31	2.47	
5	2.20			1.10	1.80	1.61	1.93	1.09	1.85	2.25	2.26	
6	2.44 F	1.88		1.12	1.39	1.69	1.51	1.55	2.11	2.33	2.05	
7	2.57	1.86		1.22	1.67	1.72	1.14	1.65	1.92	2.21	1.95	
8	2.59	1.75		1.84	2.07	1.85	0.97	1.78	1.75	2.22	1.92	
9	2.38	2.06		2.03	2.52	1.86	1.39	1.75	1.61	2.18	2.40	
10	2.15	2.21		1.88	2.48	1.90	1.56	1.46 F	1.69	1.95	1.64	
11	1.82	2.19		1.90	2.34	1.85	1.63	1.49	1.62	1.32	0.93	
12	1.29	2.04		1.60	2.72	1.85	1.79	1.56	1.88	1.24	1.28	
13	0.86	1.90 F	2.65	1.61	2.59	1.90	1.79	1.52	2.17	1.07	1.23	
14	1.05	1.90		1.98	2.70	2.12	1.25		2.24	1.17	1.37	
15	1.06	2.28		1.76	2.48	2.00	1.16		2.14	1.51	1.65	
16	1.38	2.57		1.77	2.32	1.64	1.35		1.83	1.63	1.98	
17	1.66	2.50		1.70	2.10	1.19	1.63		1.70	1.88	1.82	
18	1.73	2.77		1.50	1.80	0.89	1.79		2.09	2.10	1.82 F	1.74
19	2.08	3.76		1.59	2.30	0.85	1.87		2.09	1.95	1.89	1.67
20	2.33	4.24 F	1.63	2.29	1.92	1.15	2.03		2.02	2.19	1.89	1.99
21	2.61	4.07	1.49	2.52	1.50	1.31	1.98		2.00	2.25	2.04	1.99
22	2.52	4.19	1.51	1.98	1.57	1.39	1.95		1.79	2.50	2.10	2.08
23	2.13	4.11	1.50	1.58	1.80	1.84	1.83		1.42	2.14	2.08	1.97
24	1.83	3.78	1.68	1.65	2.03	1.69	1.44		1.54	1.84	1.96	1.23
25	2.07 F	3.46	1.74	2.12	2.13	1.52	1.46		1.47	1.50	2.06	1.05
26	2.43		1.43	2.55	2.33	1.47	1.72		1.34	0.93	2.10	1.36
27	3.67		1.20	2.83	2.44	1.50	1.69 F	1.85	1.26	1.06		1.76
28			1.50	2.97	2.42	1.47	1.96		1.37	1.24		1.94
29		-----	1.83	2.54	2.22	1.75	1.61 F	1.49	1.57	1.42		1.94
30		-----	2.33	2.20	2.37	1.75	1.49		2.09	1.68		1.84
31		-----	2.41	-----	2.55	-----	1.47		-----	2.04	-----	1.67

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.06	2.78	1.80	1.93	2.17	1.74	1.53	1.50	1.79	1.83	1.91	1.73
MAX	3.67	4.24	2.65	2.97	2.72	2.80	2.03	1.85	2.24	2.50	2.47	2.08
MIN	0.86	1.75	1.20	1.10	1.39	0.85	0.55	1.09	1.26	0.93	0.93	1.05
DAYS	27	20	14	30	31	30	31	15	27	31	26	14

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 296

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.90.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 5.72 AT 11:30 A.M. ON JAN 27.

LOWEST STAGE WAS 0.51 ON JUL 3.

## DAILY STAGE FOR 1990

PETITE AMITE RIVER NEAR ST. PAUL, LA.

LOCATION. LAT. 30-11-19, LONG. 90-43-04. AT JUNCTION WITH NEW RIVER CANAL, 5.8 MILES SOUTHEAST OF ST. PAUL AND 7.5 MILES EAST OF SORRENTO, LA. (STA. 8525006.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1950 TO 1951. DAILY, OCT. 5, 1951 TO DATE.

EXTREMES. HIGHEST, 4.72 FEET ON APR. 21, 1973. LOWEST, MINUS 1.60 FEET ON DEC. 29, 1956.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.62		2.35	1.93	1.65 F	2.40			1.15	2.03	1.84	2.26
2	1.53		2.30	1.85	1.54			F	1.74	1.89	1.93	2.36
3	1.47		2.38	1.70	1.62				1.83	2.05	2.05	2.45
4	1.47		2.32	1.33	1.84				1.79	2.11	2.21	2.62
5	1.47		2.28	0.89	1.65				1.66	1.89	2.17	2.43
6	1.47		2.23	0.73	1.19				1.82		1.89	2.17
7	1.61		2.18	0.80	1.37			F	1.65 F	1.84	1.85	1.87
8	1.75		2.20	1.33	1.66				1.32	1.98	1.81	1.67
9	1.64		2.44	1.63	1.95			F	1.27 F	2.07	2.26	1.05
10	1.44		2.58	1.60				F	1.29	1.97	1.62	0.54
11	1.21		2.58	1.58				F	1.39	1.23	0.85	0.60
12	0.97		2.52	1.27					1.75	1.16	1.12	0.86
13	0.68		2.50	1.26				F	2.02	0.96	1.04	1.18
14	0.64		2.45	1.55					2.02	1.03	1.21	1.13
15	0.72		2.45	1.41			F	1.25	1.93	1.36	1.50	1.17
16	0.89		2.71	1.33				1.35	1.71	1.38	1.84	1.11
17	1.11		2.78	1.28				1.47 F	1.51	1.58	1.77	1.30
18	1.17		2.71	1.15				1.65 F	1.79	1.79	1.74	1.28
19	1.32		2.45	1.15				1.59 F	1.79	1.66	1.78	1.23
20	1.57 F	2.72	1.88	1.71			F	1.52 F	1.66	1.91	1.72	1.60
21	1.75	2.80	1.54	2.04				1.63 F	1.58	1.94	1.89	1.65
22	1.82	3.17	1.40	1.71				1.64 F	1.57	2.23	2.00	1.79
23	1.63	3.35	1.30	1.30			F	1.12	1.27	1.97	1.99	1.78
24	1.36	3.28	1.28	1.41				0.72 F	1.38	1.68	1.91	1.14
25	1.33	3.09	1.32	1.69			F	0.35	1.37	1.48	1.94	0.74
26	1.41	2.83	1.35	2.02				0.53	1.20	0.89	1.94	1.05
27	1.50	2.57	1.12	2.28				1.17	1.13	0.97	1.98	1.44
28	1.90	2.47	1.20	2.45				1.44 F	1.20	1.16	2.21	1.60
29		-----	1.41	2.23				1.30	1.40	1.29	2.28	1.58
30		-----	1.72	1.87				0.86 F	1.88	1.59	2.11	1.57
31		-----	1.93	-----		-----		0.66	-----	1.78	-----	1.35

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.37	2.92	2.06	1.55	1.61	2.40		1.19	1.57	1.63	1.81	1.50
MAX	1.90	3.35	2.78	2.45	1.95	2.40		1.65	2.02	2.23	2.28	2.62
MIN	0.64	2.47	1.12	0.73	1.19	2.40		0.35	1.13	0.89	0.85	0.54
DAYS	28	9	31	30	9	1	0	17	30	30	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 246

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.66.

HIGHEST STAGE WAS 3.35 AT 12:30 A.M. ON FEB 23.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 0.35 ON AUG 25.

## DAILY STAGE FOR 1990

## RESERVE CANAL NEAR LAKE MAUREPAS (LA.)

LOCATION. LAT. 30-10-08, LONG. 90-33-00. ON WEST BANK OF CANAL ABOUT 0.3 MILE FROM LAKE MAUREPAS.  
(STA. 8527506.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JAN. 1979 TO DATE.

EXTREMES. HIGHEST, (FROM INCOMPLETE RECORD) 5.50 FEET (CAUSED BY HURRICANE) ON OCT. 30, 1985.  
LOWEST, (FROM INCOMPLETE RECORD) MINUS 1.18 FEET ON DEC. 25, 1989.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.10	1.73	1.75	1.83	1.50	2.19	0.85	0.93	0.86	1.67	1.63	
2	0.84	1.84	2.01	1.73	1.50	2.08	0.33	0.95	1.44	1.54	1.76	
3	1.22	1.61	1.62	1.57	1.72	1.78	0.10	0.81	1.51	1.82	1.89	
4	1.19	1.27	1.48	1.11	1.75	1.34	0.97	0.62	1.47	1.78	2.02	
5	1.19	0.64	1.57	0.60	1.38	0.96	1.39	0.58	1.30	1.79	1.82	
6	1.39	1.02	1.72	0.65	1.02	1.16	1.00	0.95	1.65	1.90	1.63	
7	1.39	1.18	1.93	0.87	1.24	1.22	0.68	1.04	1.43	1.79	1.50	
8	1.15	1.25	2.10	1.43	1.53	1.29	0.54	1.25	1.30	1.80	1.51	
9	0.97	1.42	2.39	1.52	2.04	1.36	0.86	1.21	1.14	1.76	1.88	
10	0.80	1.33	2.26	1.40	1.94	1.42	1.03	1.00	1.10	1.59	1.06	
11	0.70	1.05	2.13	1.45	1.81	1.35	1.10	1.07	1.20	0.90	0.55	
12	0.60	0.80	2.12	1.13	2.15	1.31	1.22	1.15	1.43	0.82	0.74	
13	0.42	0.75	2.09	1.16	2.05	1.34	1.23	1.12	1.66	0.61	0.83	
14	0.64	1.04	2.05	1.44	2.15	1.59	0.83	1.08	1.70	0.72	1.11	
15	0.70	1.69	2.39	1.33	1.89	1.47	0.76	1.07	1.59	1.07	1.40	
16	0.97	1.90	2.53	1.30	1.70	1.19	0.93	1.06	1.33	1.16	1.72	
17	1.20	1.76	2.20	1.22	1.54	0.74	1.22	1.17	1.21	1.40	1.65	
18	1.29	1.80	1.87 F	0.92	1.33	0.47	1.32	1.30	1.57	1.79	1.58	
19	1.45	2.10	1.62	1.15	1.82	0.45	1.37	1.20	1.54	1.49	1.60	
20	1.57	2.13	1.11	1.91	1.42	0.72	1.48	1.19	1.55	1.77	1.57	
21	1.58	2.18	0.98	2.05	1.05	0.83	1.43	1.34	1.52	1.80	1.70	
22	1.27	3.01	1.04	1.50	1.20	0.90	1.43	1.26	1.32	2.03	1.75	
23	1.04	2.68	1.05	1.16	1.33	1.02	1.29	0.91	1.14	1.67	1.70	
24	1.07	2.07	1.24	1.19	1.51	1.05	0.97	0.37	1.10	1.39	1.56	
25	1.01	1.73	1.34 F	1.72	1.58	0.98	0.97	0.12	1.03	1.15	1.60	
26	0.52	1.42	1.06	2.00	1.75	0.96	1.26	0.56	0.91	0.53	1.64	
27	0.70	1.78	0.80 F	2.35	1.88	1.02	1.23	1.10	0.81	0.65	1.75	
28	1.15	1.84	1.03	2.42	1.87	1.00	1.48	1.21	0.97	0.73	2.34	
29	1.70	-----	1.29	1.88	1.70	1.23	1.13	1.01	1.16	0.98		
30	1.61	-----	1.71	1.60	1.81	1.26	1.07	0.54	1.68	1.24		
31	1.62	-----	1.82	-----	2.03	-----	0.98	0.43	-----	1.57	-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.10	1.61	1.69	1.45	1.65	1.19	1.05	0.95	1.32	1.38	1.55	
MAX	1.70	3.01	2.53	2.42	2.15	2.19	1.48	1.34	1.70	2.03	2.34	
MIN	0.42	0.64	0.80	0.60	1.02	0.45	0.10	0.12	0.81	0.53	0.55	
DAYS	31	28	31	30	31	30	31	31	30	31	28	0

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 332

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.36.

HIGHEST STAGE WAS 3.05 AT 11:00 A.M. ON FEB 22.

LOWEST STAGE WAS MINUS 0.04 ON AUG 24 AND LATER DATE(S).

DAILY STAGE FOR 1990  
AMITE RIVER AT CLIO, LA.

LOCATION. LAT. 30-18-35, LONG. 90-36-45. ON WHARF APPROXIMATELY 300 FEET NORTH OF HIGHWAY 22.  
(STA. 8528006.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. MAR. 22, 1987 TO DATE.

EXTREMES. HIGHEST, 3.51 FEET ON APR. 4, 1988. LOWEST, MINUS 0.10 FEET ON NOV. 6, 1988, AND  
LATER DATES.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		1.99	1.91	1.97	1.67	2.44	0.97	1.06	1.00	1.80	1.76	2.31
2	1.02		2.15	1.86	1.71	2.32	0.36	1.06	1.59	1.66	1.90	2.36
3	1.39	1.81	1.76		1.92	2.00	0.19	0.93	1.64	2.02	2.06	2.49
4	1.39	1.20	1.68		2.11	1.54	1.07	0.69	1.55	1.93	2.17	2.12
5		0.75	1.76	0.75	1.38	1.12	1.54	0.64	1.51	1.92	1.88	1.76
6	1.56	1.17	1.87	0.80	1.08	1.31	1.15		1.75	2.03	1.72	1.62
7	1.58	1.36	2.12	0.86	1.35	1.37	0.76	1.10	1.56	1.94	1.62	1.41
8	1.31	1.40	2.31	1.51	1.72	1.45	0.60	1.33	1.46	1.95	1.61	1.21
9		1.61	2.61	1.66	2.23	1.47	1.01	1.29	1.30	1.90	2.14	0.68
10	1.02	1.50	2.39	1.53	2.05	1.50	1.18	1.09	1.26	1.45	1.06	0.31
11	0.93	1.18	2.31	1.43	1.95	1.46	1.24	1.19	1.35	0.94	0.64	0.51
12	0.67	1.00	2.28	1.18	2.42	1.47	1.41	1.27	1.56	0.90	0.90	0.80
13	0.42	0.99	2.30	1.24	2.22	1.58	1.36	1.26	1.79	0.71	0.95	1.12
14	0.76	1.22	2.28	1.60	2.36	1.77		1.19	1.86		1.23	1.08
15	0.83	1.98	2.44		2.10	1.64	0.87	1.17	1.73	1.16	1.54	1.16
16	1.11	2.07	2.61	1.40	1.95	1.31	1.07	1.19	1.44	1.31	1.86	1.12
17	1.34	1.68	2.39	1.32	1.70	0.87	1.25	1.30	1.36	1.58	1.75	1.28
18	1.40	1.96	2.05	1.13	1.53	0.55		1.43	1.71	1.74	1.70	1.28
19		2.34	1.75	1.27	2.01	0.58		1.32	1.70	1.61	1.74	1.21
20	1.75	2.27	1.10	2.09		0.82	1.62		1.70	1.91	1.71	1.60
21	1.70	2.48	1.14	2.22	1.22	0.98	1.58	1.43	1.69	1.96	1.81	1.59
22	1.44	3.40	1.19	1.63	1.24	1.05		1.39	1.50	2.10	1.86	1.75
23	1.24	2.95	1.20	1.29	1.42		1.44	1.07	1.04	1.76	1.82	1.59
24	1.25	2.39	1.40	1.33	1.65	1.22	1.06	0.48	1.19	1.50	1.67	0.66
25	1.23	1.89	1.43	1.79	1.74	1.09	1.08	0.22		1.09	1.74	0.67
26	0.80	1.59	1.10	2.27	1.95	1.11	1.35	0.68	1.06	0.61	1.79	1.00
27	1.08		0.83	2.55	2.08	1.10	1.34	1.24	0.94	0.80	1.91	1.46
28	1.48	2.02	1.17	2.60	2.07	1.10	1.60	1.35	1.08	0.98	2.20	1.59
29	1.91	-----	1.44	2.11	1.83	1.38	1.25		1.27	1.11	2.00	1.61
30	2.03	-----	1.90	1.80	1.96	1.40	1.17		1.76	1.35	1.86	1.60
31	1.96	-----	1.95	-----	2.24	-----	1.10	0.48	-----	1.71	-----	1.32

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.28	1.78	1.83	1.60	1.83	1.34	1.13	1.07	1.46	1.51	1.69	1.36
MAX	2.03	3.40	2.61	2.60	2.42	2.44	1.62	1.43	1.86	2.10	2.20	2.49
MIN	0.42	0.75	0.83	0.75	1.08	0.55	0.19	0.22	0.94	0.61	0.64	0.31
DAYS	27	26	31	27	30	29	27	27	29	30	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 344  
THE MEAN STAGE FOR THE YEAR WAS 1.50.  
HIGHEST STAGE WAS 3.40 AT 8:00 A.M. ON FEB 22.  
LOWEST STAGE WAS 0.03 ON AUG 25.

## DAILY STAGE FOR 1990

TICKFAW RIVER NEAR SPRINGFIELD, LA.

LOCATION. LAT. 30-22-36, LONG. 90-33-02. HIGHWAY 22 BRIDGE, 3.7 MILES SOUTH OF SPRINGFIELD, LA.  
(STA. 8530006.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. MAY 22, 1947 TO DATE.

EXTREMES. HIGHEST, 6.46 FEET (CAUSED BY HURRICANE) ON OCT. 29, 1985. LOWEST, MINUS 1.43 FEET ON  
DEC. 19, 1954.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.74	2.38	2.35	2.32	2.10	2.93	1.40	1.49	1.40	2.21	2.17	2.71
2	1.40	2.50	2.67	2.25 F	2.14	2.82	0.82	1.50	2.01	2.06	2.33	2.81
3	1.81	2.27	2.20	1.80 F	2.36	2.48	0.65	1.37	2.04	2.50	2.49	2.96
4	1.80	1.70	2.08	1.58	2.63	2.06	1.45	1.15	1.97	2.36	2.60	2.46
5	1.84	1.17	2.20	1.14	1.75	1.61	1.98	1.10	1.94	2.35	2.30	2.07
6	1.98	1.60	2.29	1.22	1.42	1.83	1.59	1.49	2.20	2.47	2.15	1.98
7	1.97	1.83	2.55	1.08 F	1.67	1.88	1.25	1.53	1.98	2.40	2.03	1.80
8	1.78	1.86	2.75	1.80 F	2.10	1.90	1.00	1.70	1.90	2.41	1.99	1.62
9	1.67	2.08	3.05	1.96	2.70	1.86	1.44	1.69	1.75	2.37	2.56	1.13
10	1.43	1.97	2.80	1.89	2.48	1.90	1.57	1.50	1.70	1.80	1.46	0.72
11	1.35	1.65	2.70	1.83	2.30	1.88	1.63	1.60	1.78	1.34	1.07	0.94
12	1.03	1.46	2.67	1.43	2.88	1.86	1.87	1.70	2.01	1.29	1.30	1.26
13	0.70	1.47	2.68	1.54	2.73	1.95	1.77	1.75	2.20	1.13	1.35	1.56
14	1.11	1.70	2.63	1.98	2.84	2.22	1.39	1.62	2.25	1.30	1.64	1.52
15	1.23	2.52	2.83	1.77	2.55	2.04	1.29	1.63	2.14	1.58	1.95	1.62
16	1.47	2.49	3.06	1.79	2.43	1.75	1.48	1.63	1.88	1.75	2.27	1.58
17	1.76	2.01	2.83	1.70	2.19	1.35	1.65	1.73	1.79	2.00	2.16	1.72
18	1.76	2.34	2.43	1.46	1.90	0.97	1.80	1.86	2.09	2.12	2.10	1.77
19	2.06	2.82	2.15	1.62	2.50	1.01	1.88	1.75	2.10	2.01	2.19	1.61
20	2.22	2.73	1.42	2.50	2.10	1.23	2.02	1.73	2.15	2.37	2.15	2.05
21	2.17	2.81	1.48	2.63	1.75	1.42	1.98	1.85	2.17	2.43	2.25	2.04
22	1.87	3.98	1.53	2.02		1.45	2.00	1.81	1.95	2.53	2.30	2.21
23	1.68	3.65	1.58	1.69		1.76	1.86	1.49	1.45	2.18	2.29	1.98
24	1.74	2.98	1.79	1.71		1.65	1.47	0.90	1.56	1.95	2.13	0.97
25	1.70	2.33	1.84	2.15		1.50	1.52	0.75	1.64	1.40	2.19	1.06
26	1.27	2.00	1.42	2.62		1.54	1.74	1.15	1.55	0.95	2.24	1.36
27	1.47	2.36	1.20	2.99		1.54	1.75	1.72	1.37	1.15	2.34	1.87
28	2.19	2.45	1.55	3.08		1.48	2.02	1.80	1.55	1.36	2.68	2.01
29	2.67	-----	1.79	2.54 F	2.18	1.77	1.67	1.60	1.72	1.50	2.29	2.04
30	2.42	-----	2.30	2.22	2.38	1.80	1.59	1.10	2.22	1.75	2.23	2.03
31	2.28	-----	2.30	-----	2.70	-----	1.53	0.93	-----	2.11	-----	1.66

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.73	2.25	2.23	1.94	2.28	1.78	1.58	1.50	1.88	1.91	2.11	1.78
MAX	2.67	3.98	3.06	3.08	2.88	2.93	2.02	1.86	2.25	2.53	2.68	2.96
MIN	0.70	1.17	1.20	1.08	1.42	0.97	0.65	0.75	1.37	0.95	1.07	0.72
DAYS	31	28	31	30	24	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 358

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.90.

HIGHEST STAGE WAS 4.02 AT 11:30 A.M. ON FEB 22.

LOWEST STAGE WAS 0.50 ON AUG 25.

## DAILY STAGE FOR 1990

PONCHATOLA CREEK AT HAMMOND, LA.

LOCATION. LAT. 30-30-24, LONG. 90-26-50. ON U. S. HIGHWAY 190 BRIDGE. (STA. 8532506.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

RECORDS AVAILABLE. APR. 15, 1948 TO DATE.

EXTREMES. HIGHEST, 39.11 FEET ON APR. 21, 1977. LOWEST, CHANNEL DRY ON OCT. 7, 1957, AND LATER DATES.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1			F 19.96			F 23.53		F 19.77		F 19.89		
2			H 27.99	F 20.06								
3												
4						F 20.01			F 19.91			H 25.58
5												
6	F 21.25	F 20.12						F 19.83			F 19.94	
7	H 23.90											
8	F 21.30		F 20.00		F 19.95							
9				19.92			F 20.18			F 19.99		
10		H 26.62							F 19.90			
11												
12						F 19.91						F 19.86
13			F 19.97					F 19.80		H 24.36		
14				F 20.04								
15		F 20.78	F 23.51								F 19.99	
16		H 22.55	H 30.65	F 19.94			F 19.93					
17	F 20.10								F 20.00	F 19.92		
18		H 30.20				F 19.91						F 19.91
19		24.60										
20	H 23.65		F 20.08					F 19.77			F 19.97	
21	21.40	F 20.43			19.93							
22		H 29.18						H 24.42				
23				F 19.92		H 26.31						
24	H 21.85					F 20.03	F 19.83			F 20.01		
25	H 25.15											
26												
27			F 20.09					F 19.94	F 19.88		F 19.96	F 19.91
28												
29		-----			20.25							
30		-----		20.00								
31	F 20.33	-----		-----	H 28.69	-----			-----	F 19.90	-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	22.10	24.31	22.78	19.97	21.77	21.62	19.98	20.59	20.81	19.94	19.97	21.31
MAX	25.15	30.20	30.65	20.06	28.69	26.31	20.18	24.42	24.36	20.01	19.99	25.58
MIN	20.10	20.12	19.96	19.92	19.93	19.91	19.83	19.77	19.88	19.89	19.94	19.86
DAYS	9	8	8	5	5	6	3	6	5	5	4	4

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 68

F=NOT AT STATED TIME H=PEAK STAGE

THE MEAN STAGE FOR THE YEAR WAS 21.56.

HIGHEST STAGE WAS 30.65 AT 2:00 A.M. ON MAR 16.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 19.77 ON AUG 1 AND LATER DATE(S).

## DAILY STAGE FOR 1990

PONCHATOULA CREEK NEAR PONCHATOULA, LA.

LOCATION. LAT. 30-21-21, LONG. 90-27-24. ON U. S. HIGHWAY 51 BRIDGE, 1.7 MILES NORTHWEST OF  
PONCHATOULA, LA. (STA. 8535006.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

RECORDS AVAILABLE. APR. 1, 1948 TO DATE.

EXTREMES. HIGHEST, 17.37 FEET ON JUNE 7, 1950. LOWEST, MINUS 0.93 FOOT ON JUNE 27, 1977.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		1.40					0.64	0.67	0.61	1.46	1.38	1.90
2		1.59					0.18	0.68	1.19	1.30	1.50	2.01
3		H 2.85					-0.01	0.64	1.27	1.75	1.67 F	5.93
4		1.53					0.49	0.40	1.20	1.59	1.78	2.00
5							1.02	0.39	1.10	1.53	1.57	1.33
6	F 1.95	H 2.05					0.69	0.69	1.39	1.68	1.39	1.23
7		1.25					0.49	0.62	1.18	1.61	1.22	0.97
8	2.10	H 2.35						0.75	1.09	1.62	1.18	0.84
9		H 2.48				F	0.74	0.76	0.91	1.57 H	3.49	0.40
10		H 6.75					0.76	0.71	0.87	1.05	0.79	0.11
11		1.52					0.78	0.74 H	2.87	0.61 F	0.30	0.19
12						F 0.91	1.03	0.88 H	4.30	0.52	0.53	0.41
13						1.17	0.93	0.56	3.24		0.56	0.83
14		F 1.33				1.42	0.55	0.80	1.49		0.81	0.75
15		1.77				1.18	0.49	0.81	1.39		1.15	0.91
16		H 3.71				0.78	0.69	0.83	1.10		1.47	0.88
17	F 1.01	1.61				0.50	0.83	0.94	1.00 F	1.18	1.34	1.04
18		1.55				0.23	0.94	1.08	1.28	1.44	1.28	1.03
19		H 11.10				0.09	0.99	0.98	1.31	1.28	1.36	0.81
20	F 1.45					0.54	1.15	0.94	1.33	1.60	1.33	1.27
21	4.84	F 2.07				0.60	1.14	1.05	1.37 H	4.27	1.41	1.23
22						0.61	1.09 H	4.06	1.18	1.97	1.46 H	3.52
23						H 4.26	0.97	3.45	0.72	1.44	1.45	1.38
24						1.00	0.68	0.39	0.61	1.18	1.29	0.48
25	F 6.65					0.63	0.68	0.16	0.81	0.74	1.35	0.22
26	1.46					0.68	0.81	0.28	0.68	0.19	1.41	0.47
27						0.68	0.81	0.88	0.56	0.35	1.53	1.11
28	F 1.31					0.66	1.10	1.00	0.68	0.54 H	3.30	1.28
29	2.86					0.85	0.77	0.80	0.89	0.67	1.60	1.30
30	1.65					0.87	0.69	0.56	1.37	0.93	1.47	1.30
31	1.48						0.69	0.32		1.31		0.96

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.43	2.76				0.93	0.76	0.91	1.30	1.31	1.41	1.23
MAX	6.65	11.10				4.26	1.15	4.06	4.30	4.27	3.49	5.93
MIN	1.01	1.25				0.09	-0.01	0.16	0.56	0.19	0.30	0.11
DAYS	11	17	0	0	0	19	30	31	30	27	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 226  
 F=NOT AT STATED TIME H=PEAK STAGE  
 THE MEAN STAGE FOR THE YEAR WAS 1.31.  
 HIGHEST STAGE WAS 11.10 AT 1:00 A.M. ON FEB 19.  
 LOWEST STAGE WAS MINUS 0.03 ON JUL 3.



## DAILY STAGE FOR 1990

YELLOW WATER RIVER CANAL NEAR HAMMOND, LA.

LOCATION. LAT. 30-30-19, LONG. 90-30-25. ON U.S. HIGHWAY 190 BRIDGE. (STA. 8540006.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO 1980 GAGE WAS 500 FEET UPSTREAM.

RECORDS AVAILABLE. APR. 9, 1948 TO DATE.

EXTREMES. HIGHEST, 36.99 FEET ON SEP. 27, 1964. LOWEST, CHANNEL DRY ON FEB. 12, 1955, AND LATER DATES.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1			F 19.62	19.78	19.32	22.97	19.30 H	20.68		F 18.83		
2			24.90	19.59	19.32	20.47	19.30	19.38				
3		F 19.81	F 21.10	19.55	19.32	19.77	19.30					H 26.04
4		H 21.50			19.32	19.54	19.29		F 18.98			20.40
5		19.85			19.33 H	20.32	19.31					19.85
6	F 21.08	H 20.85			19.32	19.71	19.32 F	19.19			F 18.91	
7	H 24.20	20.30			19.29	19.42						
8	21.39	19.93 F	19.61		19.31	19.38						
9	20.39 H	21.72		F 19.35	H 21.22	19.38 F	19.52			F 18.94	H 20.70	
10	20.11	26.35		H 20.38	19.58	19.39	19.29		F 19.04		19.32	
11	19.98	20.87		19.68	19.38	19.38	19.29		H 20.10		F 19.09	F 18.83
12		20.11		19.50	19.33	19.38	19.29		F 19.98			
13		19.88 F	19.51		19.34	19.28	19.54 F	19.12	19.53			
14		F 19.85		F 19.50	19.33	19.32	19.30					
15		20.25	19.80	19.59	19.30	19.30	19.29				F 18.85	
16		H 23.55	F 24.30	F 19.37	19.31	19.27 H	19.90					
17	F 19.43	20.65	21.07		19.31	19.27	19.29		F 19.02	F 18.86		
18	19.91 H	29.45	20.03		19.34	19.28	19.24					F 18.93
19	20.19	24.40	19.78		19.37	19.25	19.25					
20	H 24.45	20.95	19.68		19.36	19.28 H	20.49 F	19.07			F 18.87	
21	22.25	20.22	19.58		19.38	19.29	19.29			H 20.50		
22	20.62 H	29.25	19.55		19.40	19.27	19.33 H	21.23		19.90		
23	20.29	20.99	19.56 F	19.35	19.36 H	26.27	19.28 F	19.28		F 19.32		
24	20.30	20.28	19.55		19.38	20.43 F	19.18			F 19.04		
25	H 26.45	20.03	19.55		19.39	19.63						
26	21.27 F	19.93	19.54		19.37	19.41					F 18.84	F 18.91
27	20.57		19.59		19.36	19.34		F 19.03	F 18.99			
28	20.45		19.52 F	19.45 H	20.65	19.32					H 21.50	
29	F 20.43	-----	F 19.51	19.50	19.82	19.33					19.59	
30	20.71	-----	H 21.98	F 19.36	19.42	19.30					F 19.18	
31	H 20.43	-----	20.23	-----	H 28.34	-----			-----	F 18.85	-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	21.19	21.71	20.34	19.57	19.76	19.83	19.39	19.62	19.38	19.28	19.48	20.49
MAX	26.45	29.45	24.90	20.38	28.34	26.27	20.49	21.23	20.10	20.50	21.50	26.04
MIN	19.43	19.81	19.51	19.35	19.29	19.25	19.18	19.03	18.98	18.83	18.84	18.83
DAYS	21	24	22	14	31	30	22	8	7	8	10	6

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 203

F=NOT AT STATED TIME H=PEAK STAGE

THE MEAN STAGE FOR THE YEAR WAS 20.13.

HIGHEST STAGE WAS 29.45 AT 9:00 A.M. ON FEB 18.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 18.83 ON OCT 1 AND LATER DATE(S).

## DAILY STAGE FOR 1990

PASS MANCHAC NEAR PONCHATOLA, LA.

LOCATION. LAT. 30-16-53, LONG. 90-24-01. ON PILING 60 FEET EAST OF SOUTH END OF U. S. HIGHWAY 51 BRIDGE, NINE MILES SOUTH OF PONCHATOLA, LA. (STA. 8542006.)

GAGE. AUTOMATIC RECORD AND STAFF.

RECORDS AVAILABLE. JULY 11, 1955 TO DATE.

EXTREMES. HIGHEST, 5.40 FEET (CAUSED BY HURRICANE) ON OCT. 30, 1985. LOWEST, MINUS 2.00 FEET ON JAN. 21, 1961.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		1.55	1.72	1.61	1.45	2.35	1.02	1.12	0.91	1.63	1.67	2.25
2	0.41	1.77	1.79		1.69	2.32	0.46	0.97	1.47	1.48	1.85	2.35
3	0.71	1.57	1.31	1.38	2.02	1.84	0.35	0.80	1.49	1.90	2.01	2.54
4	0.73	1.05	1.38	1.14	2.28	1.47	1.18	0.57	1.42	1.80	2.13	1.87
5		0.58	1.51	0.73	1.24	1.23	1.44	0.57	1.35	1.80	1.91	1.59
6	0.92	1.15	1.73	0.93	1.11	1.40	0.99	0.93	1.64	1.93	1.72	1.48
7	0.82	1.36	2.05	0.82	1.33	1.45	0.70	1.00	1.47	1.89	1.61	1.41
8	0.56	1.42	2.33	1.47	1.54	1.49	0.58	1.22	1.46	1.89	1.54	1.08
9		1.69	2.67	1.54	2.23	1.46	1.01	1.25	1.32	1.82	2.29	0.57
10	0.42	1.60	2.42	1.52	1.71	1.46	1.05		1.27	1.35	0.81	0.23
11	0.40	1.13	2.30	1.10	1.75	1.44	1.11	1.19	1.37	0.86	0.58	0.42
12	0.15	0.94	2.34	1.00	2.15	1.44	1.41	1.35	1.54	0.83	0.79	0.74
13	-0.12	0.89	2.12	1.00	1.93	1.48	1.29	1.33	1.72	0.64	0.82	1.06
14	0.23	1.21	2.19	1.30	2.11	1.92	1.01	1.23	1.80	0.85	1.13	1.04
15	0.36	2.00	2.39	1.19	1.96	1.67	0.88	1.23	1.64	1.07	1.49	1.12
16	0.53	1.38	2.25	1.15	1.90	1.39	1.10	1.23	1.31	1.23	1.78	1.08
17	0.74	1.45	1.80	1.09	1.66	1.10		1.30	1.26	1.50	1.66	1.23
18	0.69	1.77	1.49	1.02	1.59	0.80	1.38	1.39	1.58	1.69	1.66	1.30
19		2.01	1.28	1.25	2.08	0.85	1.44	1.27	1.60	1.55	1.69	1.15
20	1.09	1.93	0.75	2.05	1.75	1.10	1.54		1.67	1.90	1.67	1.59
21	0.97	2.21	0.92	2.16	1.50	1.16	1.47	1.02	1.68	1.93	1.80	1.55
22	0.73	3.48	1.01	1.48	1.45	1.01	1.47	0.98	1.51	2.09	1.83	1.70
23	0.60	1.96	1.13	1.40	1.52	1.36	1.34		1.08	1.68	1.83	1.54
24	0.68	1.36	1.36	1.35	1.64	1.05	1.00	0.12	1.16	1.51	1.64	0.41
25	0.45	1.04	1.46	1.79	1.73	0.93	1.05	0.00	1.18	0.89	1.69	0.60
26	0.37	1.27	1.07	2.19	1.91	1.07	1.38	0.34	1.11	0.55	1.73	0.82
27	0.91	1.82	0.82	2.49	2.11	1.08	1.41	0.93	0.98	0.72	1.83	1.33
28	1.34	1.76	0.94	2.35	2.04	1.15	1.69		1.02	0.93	1.99	1.45
29	1.18	-----	1.23	1.70	1.75	1.47	1.34		1.20	1.09	1.84	1.55
30	1.63	-----	1.72	1.56	1.87	1.49	1.27	0.52	1.74	1.27	1.75	1.52
31	1.33	-----	1.56	-----	2.24	-----	1.20	0.46	-----	1.66	-----	1.22

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.70	1.55	1.64	1.44	1.78	1.38	1.15	0.94	1.40	1.42	1.63	1.28
MAX	1.63	3.48	2.67	2.49	2.28	2.35	1.69	1.39	1.80	2.09	2.29	2.54
MIN	-0.12	0.58	0.75	0.73	1.11	0.80	0.35	0.00	0.91	0.55	0.58	0.23
DAYS	27	28	31	29	31	30	30	26	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 354

THE MEAN STAGE FOR THE YEAR WAS 1.37.

HIGHEST STAGE WAS 3.48 AT 6:00 A.M. ON FEB 22.

LOWEST STAGE WAS MINUS 0.30 ON JAN 13.

## DAILY STAGE FOR 1990

BAYOU BONFOUCA AT SLIDELL, LA.

LOCATION. LAT. 30-16-18, LONG. 89-47-39. ABOUT 30 FEET UPSTREAM FROM HIGHWAY 433 BRIDGE.  
(STA. 8554003.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. AUG. 17, 1962 TO DATE.

EXTREMES. HIGHEST, 6.8 FEET (CAUSED BY HURRICANE) ON AUG. 18, 1969. LOWEST, MINUS 0.6 FOOT ON  
FEB. 15, 1963.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.5	0.8	0.8	1.0	1.0	1.2	0.8	1.0	0.8	1.0	0.6	1.0
2	0.5	1.0	0.5	1.0	0.8	1.2	0.8	1.0	1.0	1.0	1.0	1.0
3	0.8	1.0	0.5	1.0	0.8	1.0	0.5	0.6	1.0	0.6	1.0	0.8
4	0.8	1.0	0.8	0.8	1.0	1.0	0.5	0.6	0.8	0.6	1.0	0.8
5	0.5	1.0	0.8	0.8	1.0	1.0	0.8	1.0	0.8	0.8	1.0	0.6
6	0.8	1.0	1.0	0.8	1.0	0.8	1.0	1.0	0.5	0.8	1.0	0.6
7	1.0	0.8	1.2	1.0	1.0	0.8	1.0	1.0	0.5	0.8	0.8	0.8
8	1.0	0.8	1.5	0.8	1.0	0.5	1.0	1.0	0.5	0.8	0.8	0.8
9	1.0	1.0	1.5	0.8	1.2	0.5	1.0	0.8	0.8	1.0	1.0	1.0
10	0.8	1.0	1.2	0.5	1.2	0.8	1.0	0.8	0.8	1.0	1.0	1.0
11	0.8	0.8	1.0	0.5	1.0	0.8	0.8	0.8	1.0	1.0	0.8	1.0
12	0.8	0.8	1.0	0.8	1.0	1.0	0.8	1.0	1.0	1.0	0.8	1.3
13	1.0	0.5	1.0	1.0	0.8	1.0	0.5	1.0	1.0	1.0	1.0	1.3
14	1.0	0.5	0.8	1.0	0.8	1.0	0.5	1.0	1.2	1.0	1.0	1.0
15	1.0	0.8	0.8	1.0	1.0	0.8	0.8	0.8	1.2	1.0	1.0	1.0
16	1.0	1.0	1.0	1.0	1.2	0.8	1.0	0.8	1.0	0.8	0.8	1.0
17	0.8	1.0	1.0	0.8	1.3	0.5	1.0	1.0	1.0	0.8	0.8	1.0
18	0.8	1.0	0.8	0.8	1.3	0.5	1.0	1.0	1.0	1.0	1.0	0.8
19	0.5	1.2	0.8	0.5	1.2	0.5	0.6	1.0	1.0	1.0	1.0	0.8
20	0.5	1.2	1.0	0.5	1.2	0.8	0.6	1.0	0.8	1.0	1.0	0.8
21	0.8	1.0	1.0	0.8	1.2	0.8	0.8	1.0	0.8	0.8	0.8	0.5
22	1.0	1.0	1.0	0.8	1.0	1.0	1.0	1.0	1.0	0.8	0.8	0.5
23	1.0	1.2	0.8	0.8	1.0	1.0	1.0	0.8	1.0	0.5	0.5	0.8
24	0.8	1.2	0.5	1.0	1.2	1.0	1.0	0.8	1.0	0.5	0.5	1.0
25	0.5	1.0	0.5	1.0	1.2	1.0	0.8	0.8	0.8	0.8	0.8	1.0
26	0.0	1.0	0.8	1.2	1.0	0.8	0.8	0.5	0.8	1.0	0.8	1.0
27	0.0	1.0	0.8	1.2	1.0	0.8	0.5	0.5	0.5	1.0	1.0	0.8
28	0.5	0.8	1.0	1.1	1.2	1.0	0.5	0.8	0.5	1.0	1.0	1.0
29	0.5	-----	1.2	1.0	1.2	1.0	0.8	1.0	0.8	1.0	1.0	1.0
30	0.8	-----	1.2	1.0	1.3	1.0	0.8	1.0	1.0	1.0	1.0	1.0
31	0.8	-----	1.0	-----	1.3	-----	1.0	1.0	-----	0.6	-----	1.0

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.7	0.9	0.9	0.9	1.1	0.9	0.8	0.9	0.9	0.9	0.9	0.9
MAX	1.0	1.2	1.5	1.2	1.3	1.2	1.0	1.0	1.2	1.0	1.0	1.3
MIN	0.0	0.5	0.5	0.5	0.8	0.5	0.5	0.5	0.5	0.5	0.5	0.5
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 0.9.  
 HIGHEST STAGE WAS 1.5 ON MAR 8 AND LATER DATE(S).  
 LOWEST STAGE WAS 0.0 ON JAN 26 AND LATER DATE(S).

## DAILY STAGE FOR 1990

LAKE PONTCHARTRAIN AT FRENIER, LA.

LOCATION. LAT. 30-06-22, LONG. 90-25-17. GAGE INTAKE AND STAFF ON STRUCTURE 1,200 FEET OFF SHORE FROM SERVICE ROAD, REMOTE RECORDER ON SHORE. (STA.8555006.)

GAGE. AUTOMATIC RECORDER WITH BUBBLER EQUIPMENT AND STAFF.

GENERAL INFORMATION. PRIOR TO 1975 GAGE ZERO WAS MINUS 10.00 FEET, NGVD. PRIOR TO 1957, GAGE ZERO WAS ERRONEOUSLY REPORTED AS MINUS 10.08 FEET, M.S.L.

RECORDS AVAILABLE. SEP. 1931 TO SEP. 1965, AND JAN. 1969 TO DATE.

EXTREMES. HIGHEST, 12.09 FEET, FROM WATERMARK LEFT BY HURRICANE OF SEP. 10, 1965. LOWEST, MINUS 2.71 FEET ON JAN. 28, 1988. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.89		0.23	1.95	-0.77	1.54	0.32	0.36	0.59	1.00		1.80
2	0.72	0.43	0.11	1.81	0.41	1.59	-0.14	0.07	0.74	0.75		1.85
3	1.05	0.00	-0.27	1.97	0.85	1.28	0.03	-0.17	0.83	1.12		2.46
4	1.59	-1.16	0.39	0.48	0.85	0.77	-0.03	-0.13	0.40	1.18		1.39
5	1.25	-0.24	0.63	0.03	0.00	0.28	0.62	-0.08	0.35	1.30		1.01
6	1.64	0.40	1.06	0.32	-0.74	0.62	0.12	0.49	0.87	1.35		0.70
7	1.80	0.35		0.72	-0.39	0.31	-0.27	0.48	0.64	1.30		
8	1.45		1.61	1.02	-0.49	0.58	-0.24	0.50	0.87	1.34		
9	1.12		2.00	1.16	0.91	0.50	0.29	0.37	0.88	1.37		
10	1.30		1.99	1.37	-0.23	0.59	0.20	0.58	0.80	0.86		
11	1.43		1.89	0.68		0.56	0.47	0.75	0.93	0.59		
12	1.14		2.41	0.58		0.37	0.40	0.70	0.70	0.29		
13				0.38		0.48	0.58	0.75	0.72	0.10		0.34
14				0.65		0.89	0.49	0.67	0.67	0.29		0.42
15				0.81		0.53	0.61	0.56		0.44		0.45
16				-0.04			0.59	0.63		0.56		0.56
17	0.56			-0.21			0.74					0.76
18	0.51						0.89	0.56				0.77
19	1.16			-0.18			0.73	0.28				0.56
20	2.40			0.49			0.90	0.44	1.14		1.15	0.79
21				0.43			0.79	0.65	1.06		1.28	0.85
22				-0.21				0.40	0.79		1.31	0.89
23				-0.16				0.09	0.65		1.28	0.77
24				-0.44				-0.27	0.54			
25				-0.33	0.69			0.12	0.65			
26	1.49			0.04	1.55		0.69	0.55	0.55			
27	0.74		0.36	1.07	1.09		0.95	1.20	0.49		1.35	
28	1.02		0.25	0.98	1.47		0.63	1.25	0.63		1.60	
29	0.95	-----	0.81	0.13	0.93	0.63	0.68	0.89	0.86		1.77	
30	0.72	-----	1.52	-0.24	1.12	0.91	0.26	0.20	1.34		1.67	
31		-----	1.84	-----	1.21	-----	0.44	-----	-----	-----	-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.19	-0.04	1.05	0.53	0.50	0.73	0.43	0.44	0.75	0.86	1.43	0.96
MAX	2.40	0.43	2.41	1.97	1.55	1.59	0.95	1.25	1.34	1.37	1.77	2.46
MIN	0.51	-1.16	-0.27	-0.44	-0.77	0.28	-0.27	-0.27	0.35	0.10	1.15	0.34
DAYS	21	6	16	29	17	17	27	29	25	16	8	17

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 228

THE MEAN STAGE FOR THE YEAR WAS 0.71.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 2.85 AT 5:00 A.M. ON MAR 10.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS MINUS 1.32 ON FEB 4.

## DAILY STAGE FOR 1990

## LAKE PONTCHARTRAIN AT MANDEVILLE, LA.

LOCATION. LAT. 30-21-31, LONG. 90-05-45. ON SOUTH BOUND LANE OF LAKE PONTCHARTRAIN CAUSEWAY BRIDGE, 0.5 MILE FROM NORTH PLAZA OF BRIDGE. (STA. 8557506.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. PRIOR TO AUG. 2, 1957, GAGE WAS LOCATED AT LOTTS WHARF. ADD 0.3 TO DAILY STAGES PRIOR TO 1955. PRIOR TO 1976 GAGE ZERO WAS MINUS 10.00 FEET, NGVD.

RECORDS AVAILABLE. SEP. 26, 1931 TO DATE.

EXTREMES. HIGHEST, 7.60 FEET (CAUSED BY HURRICANE) ON OCT. 28, 1985. LOWEST, MINUS 2.25 FEET ON JAN. 26, 1938. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1957 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.42	0.89	0.96	1.10	0.68	1.53	0.36	0.66	0.53	1.16	1.18	1.84
2	0.23	1.08	1.09	1.11	0.88	1.60	-0.08	0.60	0.99	0.76	1.44	2.06
3	0.49	0.87	0.79	0.62	1.20	1.03	-0.20	0.37	0.96	1.46	1.71	2.63
4	0.51	0.50	0.85	0.56	1.87	0.68	0.54	0.09	0.82	1.32	1.65	1.35
5	0.37	-0.10	0.95	0.26	0.59	0.46	0.89	0.19	0.83	1.35	1.61	1.17
6	0.64	0.46	1.06	0.34	0.59	0.65	0.43	0.29	1.04	1.48	1.53	1.07
7	0.51	0.66	1.41	0.29	0.79	0.61	0.02	0.43	0.95	1.58	1.39	1.03
8	0.28	0.80	1.95	0.90	0.92	0.63	-0.06	0.70	1.01	1.34	1.21	0.63
9	0.38	1.09	2.13	1.00	1.78	0.61	0.27	0.67	0.96	1.11	1.84	0.09
10	0.22	0.91	1.85	1.09	0.93	0.64	0.38	0.65	0.94	0.73	0.15	-0.23
11	0.29	0.57	1.79	0.62	1.04	0.63	0.41	0.81	1.02	0.59	0.25	-0.07
12	0.11	0.33	1.82	0.39	1.52	0.60	0.64	1.02	1.01	0.55	0.35	0.31
13	-0.29	0.32	1.58	0.39	1.43	0.73	0.61	1.02	1.31	0.30	0.26	0.58
14	0.19	0.61	1.62	0.82	1.39	0.94	0.56	0.88	1.35	0.58	0.65	0.62
15	0.44	1.39	1.93	0.66	1.06	0.81	0.53	0.88	1.09	0.63	1.07	0.68
16	0.44	0.88	1.65	0.67	1.03	0.62	0.72	0.83	0.66	0.78	1.31	0.78
17	0.55	0.66	1.37	0.57	0.85	0.39	0.85	0.86	0.83	1.09	1.16	0.89
18	0.55	1.03	0.96	0.37	0.63	0.03	0.90	0.83	1.00	1.02	1.33	1.08
19	0.70	1.36	0.84	0.66	1.16	0.25	0.92	0.53	1.02	1.26	1.44	0.91
20	0.88	1.05	0.14	1.73	1.00	0.38	0.95	0.71	0.90	1.59	1.40	1.37
21	0.71	1.58	0.30	1.52	0.85	0.41	0.80	0.70	1.12	1.63	1.54	1.25
22	0.51	2.84	0.45	0.97	0.77	0.30	0.79	0.73	1.02	1.71	1.63	1.40
23	0.44	1.51	0.62	0.96	0.86	0.54	0.63	0.54	0.55	1.39	1.61	1.24
24	0.51	0.85	0.86	0.83	0.91	0.36	0.35	-0.04	0.84	1.25	1.42	-0.18
25	0.42	0.25	1.06	1.17	0.94	0.32	0.43	-0.02	0.89	0.27	1.39	0.21
26	-0.21	0.50	0.61	1.53	1.10	0.38	0.75	0.32	0.76	0.19	1.42	0.20
27	0.27	1.09	0.41	1.79	1.26	0.42	0.87	0.90	0.60	0.42	1.48	0.83
28	0.62	1.03	0.55	1.67	1.33	0.43	1.13	0.84	0.75	0.67	1.44	0.89
29	0.79	-----	0.79	1.11	0.93	0.72	0.86	0.72	0.93	0.75	1.22	1.12
30	0.95	-----	1.15	0.85	1.05	0.77	0.84	0.10	1.47	0.79	1.33	1.09
31	0.65	-----	1.14	-----	1.35	-----	0.69	0.09	-----	1.14	-----	0.77

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.44	0.89	1.12	0.89	1.05	0.62	0.57	0.58	0.94	1.00	1.25	0.89
MAX	0.95	2.84	2.13	1.79	1.87	1.60	1.13	1.02	1.47	1.71	1.84	2.63
MIN	-0.29	-0.10	0.14	0.26	0.59	0.03	-0.20	-0.04	0.53	0.19	0.15	-0.23
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365  
 THE MEAN STAGE FOR THE YEAR WAS 0.85.  
 HIGHEST STAGE WAS 3.11 AT 5:00 A.M. ON FEB 22.  
 LOWEST STAGE WAS MINUS 0.65 ON JAN. 12.

## DAILY STAGE FOR 1990

LAKE PONTCHARTRAIN AT MIDLAKE NEAR NEW ORLEANS, LA.

LOCATION. LAT. 30-11-16, LONG. 90-07-33. ON SOUTH BOUND BRIDGE OF LAKE PONTCHARTRAIN CAUSEWAY BRIDGE, 11.6 MILES NORTH OF THE SOUTH PLAZA. (STA. 8560006.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. PRIOR TO 1976 GAGE ZERO WAS MINUS 10.00 FEET, NGVD.

RECORDS AVAILABLE. AUG. 9, 1957 TO DATE.

EXTREMES. HIGHEST, 6.14 FEET (CAUSED BY HURRICANE) ON OCT. 29, 1985. LOWEST, MINUS 1.28 FEET ON MAR. 6, 1965. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1957 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1				1.93	1.35	1.97	1.25	1.53	1.65	2.12	2.02	2.55
2				1.87	1.41	1.97	0.80	1.47	2.11	1.88	2.25	2.68
3				1.64	1.91	1.76	0.76	1.20	2.04	2.22	2.48	2.70
4				1.32	1.97	1.55	1.48	1.03	1.80	2.16	2.63	2.76
5				0.94	1.34	1.48	1.75	1.24	1.71	2.32	2.39	2.26
6				1.02	1.23	1.55	1.28	1.36	1.91	2.31	2.65	1.69
7				1.59	1.45	1.52	1.26	1.56	1.79	2.39	2.21	1.43
8				1.76	1.53	1.50	1.19	1.73	1.82	2.41	1.97	1.64
9				1.80	2.49	1.50	1.45	1.72	1.84	2.42	2.38	0.86
10				1.86	1.89	1.51	1.55	1.78	1.85	2.09	1.23	0.46
11				1.51	1.85	1.47	1.64	1.95	1.98	2.06	1.34	0.57
12				1.31	2.20	1.44	1.79	2.11	2.27	1.57	1.24	0.90
13				1.21	2.10	1.46	1.83	2.12	2.34	1.35	1.05	1.15
14				1.50	2.21	1.55	1.73	2.10	2.40	1.51	1.43	1.25
15			2.98	1.35	1.90	1.49	1.66	2.06	2.13	1.45	1.83	1.30
16			2.76	1.26	1.78	1.40	1.88	2.00	1.68	1.56	2.07	1.37
17			2.45	1.22	1.69	1.28	2.02	2.03	1.75	1.85	2.01	1.41
18			1.85	1.09	1.48	1.16	2.06	1.99	1.88	2.25	2.05	1.46
19			1.69	1.20	1.99	1.21	2.01	1.77	1.90	2.62	2.13	1.55
20			1.62	2.29	1.81	1.26	2.03	1.81	1.92	2.50	2.11	1.88
21			1.22	2.16	1.68	1.30	1.86	1.91	1.98	2.43	2.21	1.87
22			1.29	1.64	1.70	1.22	1.84	1.73	1.83	2.65	2.26	1.96
23			1.43	1.65	1.75	1.33	1.65	1.53	1.73	2.47	2.23	1.91
24			1.67	1.52	1.79	1.18	1.37	0.95	1.93	2.37	2.11	1.60
25			1.91	1.72	1.82	1.13	1.42	1.03	1.78	1.73	2.01	1.44
26			1.62	2.03	1.86	1.17	1.73	1.40	1.75	1.05	2.01	0.98
27			1.44	2.32	1.91	1.18	1.91	1.98	1.63	1.56	2.10	1.45
28			1.42	2.41	1.88	1.28	2.10	2.08	1.75	1.60	2.25	1.51
29		-----	1.62	1.62	1.77	1.54	1.77	1.79	1.96	1.64	2.61	1.72
30		-----	2.01	1.45	1.82	1.70	1.77	1.13	2.48	1.74	2.54	1.71
31		-----	1.93	-----	1.89	-----	1.59	1.18	-----	2.01	-----	1.63

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN			1.82	1.61	1.79	1.43	1.63	1.65	1.92	2.01	2.06	1.60
MAX			2.98	2.41	2.49	1.97	2.10	2.12	2.48	2.65	2.65	2.76
MIN			1.22	0.94	1.23	1.13	0.76	0.95	1.63	1.05	1.05	0.46
DAYS	0	0	17	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 292

THE MEAN STAGE FOR THE YEAR WAS 1.75.

HIGHEST STAGE WAS NOT DETERMINED.

LOWEST STAGE WAS NOT DETERMINED.

## DAILY STAGE FOR 1990

## LAKE PONTCHARTRAIN AT WEST END, LA.

LOCATION. LAT. 30-01-18, LONG. 90-06-57. THIRTY FEET EAST OF MUNICIPAL YACHT BUILDING IN WEST END HARBOR. (STA. 8562506.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO DEC. 1, 1946, GAGE WAS LOCATED 110 FEET WEST OF SOUTHERN YACHT CLUB. SUBTRACT 0.1 FOOT FROM DAILY STAGES PRIOR TO 1955. PRIOR TO 1975 GAGE ZERO WAS MINUS 10.00 FEET, NGVD.

RECORDS AVAILABLE. SEP. 25, 1931 TO NOV. 30, 1946, AND MAR. 9, 1949 TO DATE.

EXTREMES. HIGHEST, 6.11 FEET (CAUSED BY HURRICANE) ON OCT. 28, 1985. LOWEST, MINUS 2.20 FEET ON JAN. 26 AND 27, 1938. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1985 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		1.15	1.31	1.20	0.89	1.71	0.71	0.93	0.81	1.47	1.41	2.04
2	0.59	1.31	1.56	1.18	0.85	1.78	0.28	0.89	1.29	1.26	1.64	2.15
3	0.87	1.16	1.08	1.09	1.34	1.29	0.18	0.63	1.25	1.63	1.89	2.23
4	0.86	1.12	1.05	0.63	1.36	0.88	0.85	0.48	1.13	1.63	2.02	1.86
5		0.27	1.11	0.22	0.99	0.71	1.05	0.54	1.11	1.70	1.99	1.40
6	1.00	0.79	1.26	0.39	0.86	0.89	0.67	0.69	1.34	1.78	1.65	1.19
7	0.94	0.96	1.59	0.76	1.03	0.85	0.35	0.93	1.24	1.81	1.56	1.45
8	0.77	1.02	1.92	1.14	1.02	0.88	0.25	1.08	1.24	1.83	1.48	0.86
9		1.33	2.32	1.17	1.90	0.90	0.54	1.12	1.22	1.81	1.82	0.29
10	0.64	1.39	1.97	1.21	1.51	0.93	0.66	1.07	1.17	1.85	0.76	-0.03
11	0.60	0.85	1.89	1.04	1.25	0.88	0.73	1.20	1.28	0.97	0.52	0.07
12	0.62	0.58	1.98	0.67	1.59	0.82	0.88	1.37	1.40	0.85	0.53	0.42
13	0.26	0.48	1.69	0.59	1.53	0.88	0.97	1.34	1.58	0.59	0.50	0.67
14	0.52	0.85		0.87	1.57	1.14	0.86	1.35	1.63	0.75	0.87	0.77
15	0.64	1.19	2.66	0.88	1.26	1.01	0.83	1.28	1.46	0.82	1.28	0.83
16	0.73	1.70	2.12	0.75	1.10	0.81	1.04	1.09	1.00	1.00	1.54	0.93
17	0.84	1.37	1.73	0.72	0.98	0.55	1.24	1.15	1.04	1.26	1.56	0.95
18		1.34	1.21	0.62	0.84	0.42	1.29	1.07	1.26	2.00	1.50	1.07
19		1.76	1.09	0.52	1.29	0.49	1.21	0.93	1.27	1.50	1.58	1.17
20	1.14	1.63	0.60	1.73	1.06	0.61	1.20	0.97	1.39	1.76	1.57	1.45
21	1.25	1.74	0.40	1.63	0.91	0.61	1.08	1.05	1.41	1.76	1.69	1.37
22	0.89	2.97	0.53	1.11	1.07	0.59	1.08	0.98	1.27	2.11	1.76	1.48
23	0.69	2.06	0.66	1.07	1.07	0.66	0.94	0.77	1.38	1.68	1.74	1.52
24	0.73	0.97	0.93	0.89	1.06	0.57	0.67	0.26	1.13	1.46	1.61	0.64
25	1.32	0.67	1.19	1.13	1.08	0.53	0.74	0.29	1.09	1.41	1.50	0.48
26	0.05	0.86	0.91	1.47	1.23	0.60	1.06	0.58	1.08	0.59	1.53	0.51
27	0.36	1.41	0.66	1.71	1.39	0.59	1.23	1.17	0.93	0.69	1.60	1.00
28	0.88	1.35	0.59	2.00	1.41	0.71	1.43	1.27	1.06	0.84	1.87	1.06
29	1.63	-----	0.79	1.09	1.16	0.90	1.13	0.98	1.24	0.98	2.02	1.26
30	1.25	-----	1.25	0.95	1.23	1.07	1.14	0.45	1.75	1.04	1.65	1.22
31	0.92	-----	1.21	-----	1.46	-----	0.96	0.50	-----	1.41	-----	1.26

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.81	1.23	1.31	1.01	1.20	0.84	0.88	0.92	1.25	1.36	1.49	1.08
MAX	1.63	2.97	2.66	2.00	1.90	1.78	1.43	1.37	1.75	2.11	2.02	2.23
MIN	0.05	0.27	0.40	0.22	0.84	0.42	0.18	0.26	0.81	0.59	0.50	-0.03
DAYS	26	28	30	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 359  
 THE MEAN STAGE FOR THE YEAR WAS 1.12.  
 HIGHEST STAGE WAS 3.13 AT 6:00 A.M. ON FEB 22.  
 LOWEST STAGE WAS MINUS 0.35 ON JAN 26.

## DAILY STAGE FOR 1990

LAKE PONTCHARTRAIN (IRISH BAYOU) NEAR SOUTH SHORE, LA.

LOCATION. LAT. 30-08-46, LONG. 89-51-41. ON EAST BANK 800 FEET NORTHEAST OF U. S. HIGHWAY 11  
BRIDGE AT LITTLE IRISH BAYOU. (STA.8567503.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO APR. 17, 1963, GAGE WAS LOCATED ON SOUTH DRAWBRIDGE. SUBTRACT 0.1  
FROM DAILY STAGES PRIOR TO 1955. PRIOR TO 1976 GAGE ZERO WAS MINUS 10.00 FEET, NGVD.

RECORDS AVAILABLE. MAY 3, 1949 TO DATE.

EXTREMES. HIGHEST, 7.16 FEET (CAUSED BY HURRICANE) ON AUG. 18, 1969. LOWEST, MINUS 1.30 FEET ON  
JULY 25, 1954, AND LATER DATES. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.60	0.96	1.15	1.02	0.77	1.67	0.73	0.97	0.86	1.41	1.24	
2	0.58	1.07	1.51	1.04	0.76	1.74	0.39	0.88	1.20	1.11	1.36	
3	0.70	0.90	0.78	0.78	1.32	1.30	0.43	0.69	1.25	1.39	1.61 F	2.22
4	0.71	0.87	0.67	0.45	1.52	0.98	1.04	0.54	1.12	1.41	1.71	1.53
5	0.53	0.09	0.78	0.11	0.97	0.78	1.12	0.58	1.12	1.51	1.87	1.21
6	0.74	0.50	0.92	0.28	0.89	0.99	0.75	0.54	1.20	1.52	1.63	1.00
7	0.68	0.74	1.25	0.54	0.99	0.96	0.40	0.77	1.07	1.61	1.48	1.09
8	0.41	0.80	1.75	0.88	1.08	0.95	0.42	0.99	1.09	1.63	1.39	0.79
9	0.40	1.12	2.06	1.08	1.99	0.94	0.65	0.93	1.11	1.75	1.89	0.11
10	0.39	0.98	1.77	1.18	1.37	0.98	0.70	0.95	1.14	1.44	0.53	-0.17
11	0.38	0.70	1.63	0.96	1.28	0.85	0.69	1.05	1.28	0.94		-0.11
12	0.35	0.42	1.78	0.59	1.56	0.85	0.82	1.25	1.39	0.89		0.19
13	0.11	0.45	1.55	0.49	1.49	0.90	0.94	1.33	1.59	0.65		0.43
14	0.29	0.81	1.57	0.82	1.49	1.09	0.90	1.30	1.61	0.78 F	0.50	0.51
15	0.45	1.48	1.93	0.70	1.18	0.99	0.75	1.22	1.46	0.69	1.02	0.52
16	0.55	1.29		0.61	1.07	0.83	0.99	1.17	1.01	0.83	1.36	0.63
17	0.63	0.93		0.52	0.95	0.66	1.10	1.21	1.03	1.12	1.29	0.73
18	0.55	1.03 F	0.92	0.47	0.90	0.48	1.13	1.19	1.08	1.53	1.34	1.01
19	0.72	1.40	0.77	0.52	1.22	0.65	1.17	0.98	1.17	1.31	1.35	0.92
20	0.98	1.25	0.08	1.52	1.11	0.67	1.24	1.06	1.20	1.58	1.46	1.21
21	0.85	1.38	0.21	1.48	1.07	0.76	1.12	1.08	1.25	1.52	1.61	1.22
22	0.55	2.92	0.39	0.99	1.02	0.79	1.10	1.00	1.14	2.01	1.70	1.31
23	0.48	1.94	0.51	0.99	1.10	0.49	0.85	0.80	1.04	1.52	1.70	1.28
24	0.55	0.89	0.80	0.95	1.19	0.52	0.69	0.30	1.01	1.35	1.55	0.20
25	1.15	0.43	0.94	1.24	1.27	0.44	0.69	0.36	1.02	1.09	1.40	0.29
26	-0.08	0.64	0.85	1.52	1.32	0.49	0.93	0.64	1.00	0.54	1.48	0.20
27	0.10	1.16	0.64	1.77	1.41	0.48	1.08	1.16	0.92	0.69	1.53	0.75
28	0.69	1.23	0.72	1.85	1.42	0.67	1.31	1.29	1.08	0.80	1.67	0.81
29	1.69	-----	0.96	1.08	1.05	0.87	1.07	0.99	1.25	0.84 F	1.68	0.98
30	1.12	-----	1.06	0.82	1.26	1.13	1.10	0.61	1.71	0.90		0.95
31	0.86	-----	1.09	-----	1.45	-----	0.95	0.38	-----	1.19	-----	0.85

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.60	1.01	1.07	0.91	1.21	0.86	0.88	0.91	1.18	1.21	1.44	0.78
MAX	1.69	2.92	2.06	1.85	1.99	1.74	1.31	1.33	1.71	2.01	1.89	2.22
MIN	-0.08	0.09	0.08	0.11	0.76	0.44	0.39	0.30	0.86	0.54	0.50	-0.17
DAYS	31	28	29	30	31	30	31	31	30	31	26	29

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 357

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.00.

HIGHEST STAGE WAS 3.29 AT NOON ON FEB 22.

LOWEST STAGE WAS MINUS 0.46 ON AUG 30.



## DAILY STAGE FOR 1990

## RIGOLETS NEAR LAKE PONTCHARTRAIN (LA.)

LOCATION. LAT. 30-10-02, LONG. 89-44-13. ABOUT 50 FEET SOUTHEAST OF U. S. HIGHWAY 90 AT FORT PIKE, NEAR EXTREME EAST END OF LAKE PONTCHARTRAIN. (STA. 8570003.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. ADD 0.2 TO DAILY STAGES PRIOR TO 1955. LOCATION OF GAGE HAS BEEN CHANGED SEVERAL TIMES DURING PERIOD OF RECORD. THE GAGE HAS BEEN LOCATED AT THE PRESENT SITE SINCE APR. 17, 1963. PRIOR TO 1975 GAGE ZERO WAS MINUS 10.00 FEET, NGVD.

RECORDS AVAILABLE. SEP. 1931 TO DATE.

EXTREMES. HIGHEST, 9.00 FEET (CAUSED BY HURRICANE) ON AUG. 18, 1969. LOWEST, MINUS 1.9 FEET ON JAN. 26, 1938. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		0.44	0.75	0.38	0.13	1.13	0.19	0.70	0.65	1.02	0.72	1.13
2		0.54	0.93	0.39	0.30	1.25	-0.02	0.59	0.96	0.75	0.85	1.21
3	F	0.12	0.30	0.09	0.08	0.82	0.01	0.38	1.00	1.02	1.17	1.78
4		0.18	0.10	-0.06	-0.16	1.04	0.54	0.58	0.29	1.01	1.49	1.33
5		-0.20	-0.57	0.03	-0.46	0.60	0.53	0.69	0.32	0.61	1.00	1.47
6		0.01	-0.05	0.21	-0.08	0.38	0.68	0.23	0.14	0.70	1.04	1.27
7		-0.07	0.10	0.57	0.08	0.60	-0.21	0.45	0.60	1.02	1.10	0.96
8		-0.39	0.22	1.37	0.51	0.57	-0.09	0.64	0.60	0.96	0.98	0.65
9		-0.30	0.61	1.40	0.71	0.60	0.15	0.55	0.73	0.89	1.38	-0.04
10		-0.30	0.51	1.18	0.77	0.58	0.15	0.60	0.85	0.90	1.06	-0.49
11		-0.20	0.30	1.26	0.30	0.32	0.13	0.78	1.00	0.24	0.00	-0.42
12		-0.15	0.00	1.39	0.04	0.39	0.30	0.99	1.15	0.27	-0.05	0.01
13		-0.21	0.01	1.21	-0.13	0.38	0.42	1.06	1.30	0.03	-0.27	0.17
14		-0.22	0.31	1.23	0.23	0.49	0.43	1.03	1.32	0.30	0.07	0.27
15		0.15	0.81	1.58	0.09	0.49	0.33	1.02	1.13	0.37	0.52	0.29
16		0.18	0.72	1.32	0.02	0.47	0.29	1.01	0.64	0.46	0.83	0.48
17		0.18	0.29	0.80	-0.07	0.29	0.19	1.02	0.73	0.73	0.72	0.51
18		0.00	0.51	0.25	-0.13	0.34	0.05	0.74	0.99	0.63	0.88	0.90
19		0.05	0.78	0.07	-0.03	0.72	0.33	0.87	0.73	0.72	0.88	1.03
20		0.33	0.55	-0.55	1.02	0.65	0.41	0.95	0.78	1.11	0.90	1.17
21		0.01	0.78	-0.47	0.89	0.71	0.42	0.74	0.83	1.11	1.14	1.10
22		-0.20	2.29	-0.21	0.47	0.69	0.38	0.68	0.53	0.64	1.44	1.19
23		-0.30	1.27	-0.02	0.68	0.79	0.79	0.29	0.41	0.68	1.12	1.18
24		-0.19	0.38	0.24	0.56	0.81	0.00	0.30	-0.14	0.62	0.99	1.03
25		0.45	-0.25	0.53	0.70	0.90	-0.16	0.29	0.10	0.70	0.53	0.89
26		-0.60	0.29	0.42	0.98	0.83	-0.12	0.54	0.41	0.72	0.16	0.90
27		-0.35	0.75	0.27	1.23	0.91	-0.17	0.72	0.92	0.56	0.34	0.92
28		0.28	0.79	0.29	1.18	0.82	0.13	0.91	1.01	0.69	0.49	0.96
29		1.20	-----	0.49	0.49	0.43	0.31	0.77	0.75	0.78	0.49	0.82
30		0.83	-----	0.55	0.22	0.68	0.57	0.83	0.33	1.26	0.51	0.75
31		0.40	-----	0.49	-----	0.82	-----	0.71	0.24	-----	0.70	-----

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.02	0.46	0.57	0.37	0.64	0.42	0.45	0.62	0.81	0.73	0.83	0.66
MAX	1.20	2.29	1.58	1.23	1.04	1.25	0.95	1.06	1.32	1.44	1.49	1.78
MIN	-0.60	-0.57	-0.55	-0.46	0.13	-0.17	-0.21	-0.14	0.56	0.03	-0.27	-0.49
DAYS	29	28	31	30	25	30	31	31	30	31	30	29

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 361

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 0.55.

HIGHEST STAGE WAS 3.15 AT 12:15 A.M. ON FEB 22.

LOWEST STAGE WAS MINUS 0.80 ON JAN 26.

## DAILY STAGE FOR 1990

## LAKE BORGNE AT RIGOLETS (LA.)

LOCATION. LAT. 30-08-30, LONG. 89-38-20. ON DOCK OF APACHE OIL COMPANY IN LITTLE RIGOLETS, NEAR IWW. (STA. 8572503.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO 1975 GAGE ZERO WAS MINUS 10.00 FEET, NGVD.

RECORDS AVAILABLE. FEB. 10 TO MAR. 30, 1950, DEC. 21, 1957 TO SEP. 10, 1965, AND JULY 11, 1967, TO DATE.

EXTREMES. HIGHEST, 12.25 FEET, FROM WATERMARK LEFT BY HURRICANE OF AUG. 1969. LOWEST, MINUS 2.17 FEET ON APR. 12, 1988. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1970 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1			0.85	0.54		1.86	1.01	1.61	1.55	1.69	0.76	1.18
2			0.76	0.53		1.97	0.81	1.50	1.63	1.20	0.89	1.25
3			0.32	0.31		1.68	1.33	1.27	1.65	1.29	1.18	1.82
4			0.24	0.21		1.32	1.93	1.12	1.13	1.12	1.48	1.01
5			0.17	0.04		1.68	1.55	1.24	1.04	1.25	1.57	1.28
6			0.37	0.37		1.70	1.23	1.02	0.87	1.11	1.77	0.94
7			0.53	0.68		1.59	0.78	1.27	0.81	1.40	1.48	1.35
8			1.00	0.71		1.60	1.00	1.32	0.74	1.53	1.92	0.86
9			0.87	0.80		1.51	1.16	1.14	0.98	1.83	2.44	-0.09
10		0.50	0.81	0.89		1.46	1.02	1.19	1.34	1.31	0.40	-0.47
11		0.50	0.89	0.66		1.17	0.97	1.33	1.67	1.54	0.64	-0.48
12		0.33	1.04	0.72		1.29	1.11	1.50	2.03	1.38	0.21	-0.14
13		0.50	1.00	0.61		1.21	1.13	1.72	2.12	1.12	0.01	-0.11
14		0.77	1.05	0.67		1.16	1.26	1.85	2.11	1.24	0.23	0.01
15		1.05	1.14	0.55		1.17	1.25	1.92	1.81	0.68	0.60	0.00
16		0.64	1.06	0.40		1.05	1.68	1.94	1.38	0.57	0.70	0.28
17		0.59	0.58	0.44		1.04	1.75	1.95	1.41	0.83	0.74	0.29
18		0.64	0.40			0.82	1.92	1.74	1.05	0.80	1.00	0.75
19		0.56	0.22			1.58	1.93	1.42	0.98	1.54	1.01	0.77
20		0.51	0.19			1.51	1.85	1.47	0.89	1.25	1.12	1.09
21		0.85	0.08			1.55	1.67	1.39	0.97	1.25	1.51	1.21
22		1.04	0.15			1.30	1.55	0.88	0.73	1.64	1.54	1.24
23		0.52	0.22			1.14	0.85	0.65	1.02	1.42	1.68	1.27
24		0.35	0.35			0.95	1.08	0.06	1.59	1.51	1.66	-0.21
25		0.22	0.58			0.68	1.03	0.60	1.09	0.86	1.34	0.45
26		0.58	0.61		1.70	0.75	1.27	1.13	1.24	1.03	1.39	0.12
27		0.70	0.77		1.76	0.70	1.52	1.66	1.20	1.28	1.62	0.44
28		0.81	0.78		1.56	1.05	1.49	1.62	1.55	1.12	1.04	0.18
29		-----	0.94		1.36	1.20	1.52	1.32	1.82	1.26	0.89	0.47
30		-----	0.71		1.63	1.35	1.66	0.83	2.24	1.02	1.17	0.42
31		-----	0.73	-----	1.53	-----	1.55	0.95	-----	0.90	-----	0.43

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.61	0.63	0.54	1.59	1.30	1.35	1.31	1.35	1.22	1.13	0.57
MAX	1.05	1.14	0.89	1.76	1.97	1.93	1.95	2.24	1.83	2.44	1.82
MIN	0.22	0.08	0.04	1.36	0.68	0.78	0.06	0.73	0.57	0.01	-0.48
DAYS	0	19	31	17	6	30	31	31	30	31	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 287

THE MEAN STAGE FOR THE YEAR WAS 1.05.

HIGHEST STAGE WAS 2.66 AT 1:00 A.M. ON DEC 2.

LOWEST STAGE WAS NOT DETERMINED.

## DAILY STAGE FOR 1990

## CHEF MENTEUR PASS NEAR LAKE BORGNE (LA.)

LOCATION. LAT. 30-04-04, LONG. 89-48-25. ON EAST BANK, SOUTH OF U. S. HIGHWAY 90 BRIDGE, ON TALLY HO CLUB WHARF. (STA. 8575003.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO OCT. 18, 1967, GAGE WAS LOCATED ON LAKE BORGNE NEAR MOUTH OF CHEF MENTEUR PASS. PRIOR TO 1975 GAGE ZERO WAS MINUS 10.00 FEET NGVD.

RECORDS AVAILABLE. STAGE, APR. 30 TO JUNE 9, 1945, FEB. 11 TO MAR. 30, 1950, JULY 27, 1957 TO SEP. 10, 1965, AND OCT. 18, 1967 TO DATE. DISCHARGE, 1937 AND 1945.

EXTREMES. HIGHEST, 9.07 FEET (FROM HIGH-WATER INDICATOR) AS RESULT OF HURRICANE ON SEP. 10, 1965. LOWEST, MINUS 2.27 FEET ON APR. 12, 1988 (POSSIBLY LOWER IN MAR. 1965). EXTREMES HAVE BEEN ADJUSTED TO NGVD.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1985 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.40	0.80	1.24	0.56	0.21	1.80	0.92	1.30	1.31	1.60	0.90	1.47
2	0.84	0.66	0.97	0.48	0.52	1.92	0.62	1.20	1.41	1.14	1.11	1.33
3	0.66	0.43	0.29	0.29	1.40	1.49	1.01	1.00	1.53	1.30	1.35	1.60
4	0.47	0.10	0.17	0.02	1.40	1.09	1.62	0.91	1.10	1.25	1.55	1.49
5	0.00	-0.20	0.15	-0.29	0.97	1.30	1.32	0.95	1.07	1.49	1.78	1.54
6	0.20	0.20	0.50	0.14	1.27	1.38	0.99	0.69	1.14	1.39	2.02	1.12
7	0.28	0.39	0.81	0.98	1.39	1.29	0.59	1.09	1.04	1.52	1.69	1.50
8	-0.19	0.52	1.70	1.03	1.30	1.31	0.80	1.22	0.99	1.62	1.90	0.93
9	-0.12	0.92	1.58	1.20	2.34	1.31	0.89	1.18	1.12	1.89	2.27	0.02
10	-0.05	0.80	1.38	1.30	1.37	1.31	0.88	1.12	1.43	1.67	0.49	-0.40
11	0.10	0.75	1.48	1.05	1.68	0.83	0.78	1.29	1.67	1.39	0.63	-0.41
12	0.35	0.40	1.65	1.00	1.73	1.02	0.99	1.49	1.91	1.28	0.23	-0.10
13	0.61	0.61	1.55	0.79	1.30	0.94	1.12	1.68	2.00	0.99	0.04	0.04
14	0.25	0.99	1.67	0.99	0.90	1.08	1.09	1.72	2.00	1.09	0.41	0.18
15	0.53	1.51	1.91	0.78	1.01	0.97	1.11	1.71	1.67	0.69	0.89	0.15
16	0.61	0.79	1.75	0.40	0.90	0.92	1.48	1.65	1.23	0.66	1.01	0.40
17	0.58	0.98	0.90	0.20	0.60	0.84	1.59	1.70	1.30	0.99	1.12	0.43
18	0.39	0.98	0.44	0.30	1.27	0.68	1.68	1.57	1.17	1.11	1.30	0.89
19	0.39	0.90	0.08	0.77	1.15	1.18	1.65	1.26	1.11	1.68	1.21	0.99
20	0.57	0.95	0.29	1.26	1.03	1.10	1.59	1.32	1.01	1.50	1.33	1.18
21	0.20	1.40	-0.17	0.97	1.27	1.20	1.43	1.32	1.17	1.45	1.63	1.29
22	0.15	2.26	-0.01	0.61	1.54	0.94	1.32	0.98	0.90	1.78	1.78	1.28
23	-0.02	1.18	0.19	0.92	1.63	0.91	0.64	0.83	1.26	1.60	1.79	1.19
24	0.05	0.63	0.40	1.20	1.66	0.62	0.92	0.20	1.60	1.62	1.69	0.20
25	0.62	0.42	0.78	1.55	1.63	0.41	0.89	0.54	1.19	1.21	1.38	0.48
26	-0.30	0.95	0.91	1.78	1.61	0.50	1.19	0.95	1.33	0.99	1.44	0.19
27	0.05	1.27	1.03	1.98	1.59	0.44	1.43	1.61	1.18	1.18	1.57	0.62
28	0.65	1.36	0.98	0.97	1.51	0.89	1.49	1.60	1.48	1.03	1.12	0.38
29	1.15	-----	1.30	0.72	1.13	1.01	1.41	1.23	1.72	1.19	1.39	0.65
30	1.40	-----	0.89	0.39	1.43	1.29	1.52	0.73	2.20	0.99	1.41	0.61
31	0.84	-----	0.87	-----	1.39	-----	1.31	0.60	-----	1.01	-----	0.77

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.38	0.82	0.89	0.81	1.29	1.07	1.17	1.18	1.37	1.30	1.28	0.71
MAX	1.40	2.26	1.91	1.98	2.34	1.92	1.68	1.72	2.20	1.89	2.27	1.60
MIN	-0.30	-0.20	-0.17	-0.29	0.21	0.41	0.59	0.20	0.90	0.66	0.04	-0.41
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 1.02.

HIGHEST STAGE WAS 3.59 AT 12:35 A.M. ON FEB 22.

LOWEST STAGE WAS MINUS 0.74 ON JAN 26.

## DAILY STAGE FOR 1990

BAYOU TERRE AUX BOEUF AT DELACROIX, LA.

LOCATION. LAT. 29-45-50, LONG. 89-47-32. ON BRIDGE AT END OF LOUISIANA HIGHWAY 300.  
(STA. 8578004.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. MAY 15, 1975 TO DATE.

EXTREMES. HIGHEST, 6.86 FEET (CAUSED BY HURRICANE) ON OCT. 28, 1985. LOWEST, MINUS 1.53 FEET ON  
DEC. 26, 1989.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.64	0.80	1.11	1.38	1.29	1.86	1.37			1.70	2.06	2.25
2	0.56	0.91	1.36	1.34	1.26	1.94	0.75			1.44	2.09	2.16
3	0.62	0.84	0.89	1.18	1.36	1.71	0.62			1.56	2.08	2.77
4	0.56	0.94	0.91	0.91	1.39	1.41	1.05			1.60	1.95	1.94
5	0.50	0.59	0.97	0.71	1.25	1.24	1.06			1.40	2.51	1.86
6	0.76	0.68	1.02	0.65	1.22	0.78				1.48	3.30	2.48
7	0.81	0.73	1.21	0.73	1.27	0.84				1.34	3.21	2.60
8	0.43	0.84	1.55	1.16	1.31	0.77			1.44	1.85	2.54	2.88
9	0.48	1.08	1.83	1.26	1.53	0.87			1.71	1.89	2.22	2.16
10	0.37	1.08	1.71	1.21	1.37	0.93			1.46	2.85	2.71	1.76
11	0.40	0.79	1.77	1.09	1.35	0.89			1.69	2.64	2.53	1.87
12	0.33	0.59	1.87	0.92	1.77	0.70			1.61	1.78	1.89	1.25
13	0.17	0.51	1.77	0.88	1.67	0.81			1.30	1.80	1.75	1.43
14	0.63	0.69	1.74	1.10		1.02			1.62	1.91	2.10	1.44
15	0.56	1.10	2.15	1.02		0.78			1.64	1.83	2.03	1.51
16	0.62	1.25	1.92	0.97	1.56	0.76		1.38	1.29	2.19	1.48	1.57
17	0.75	0.98	1.70	0.88	1.41	1.11		1.42	1.31	1.89	1.88	1.09
18	0.71	1.21	1.33	0.71	1.16	0.83		1.17	1.39	1.98	2.43	1.01
19	0.87	1.38	1.20	0.76	1.62	0.59		1.44	1.39	2.99	2.36	1.03
20	0.88	1.31	1.02	1.60	1.33	1.38		1.30	1.36	3.23	2.52	1.29
21	0.96	1.43	0.83	1.63	1.28	1.26		1.35	1.36	2.71	2.31	1.11
22	0.72	2.23	0.72	1.30	1.11	1.72		1.11	1.27	2.94	2.31	0.99
23	0.67	1.65	0.75	1.16	1.18	0.06		0.94	1.77	3.13	1.93	0.64
24	0.60	1.09	0.91	1.16	1.36	-0.13		0.47	1.42	2.95	2.36	0.80
25	0.96	0.91	1.08	1.32	1.33	0.60		0.37	1.17	2.83	2.30	0.89
26	0.41	1.08	0.91	1.45	1.54	0.47		0.89	1.36	2.59	1.73	0.46
27	0.51	1.05	0.86	1.57	1.69	0.58		1.22	1.24	2.29	1.58	0.79
28	0.68	1.10	0.87	1.61	1.75	0.83		1.31	1.41	2.16	1.20	0.74
29	1.02	-----	0.97	1.42	1.55	1.24		1.09	1.46	2.06	1.47	0.93
30	0.89	-----	1.31	1.34	1.63	1.48			1.93	2.04	1.87	0.76
31	0.75	-----	1.34	-----	1.71	-----			-----	1.95	-----	0.61

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.64	1.03	1.28	1.15	1.42	0.98	0.97	1.10	1.46	2.16	2.16	1.45
MAX	1.02	2.23	2.15	1.63	1.77	1.94	1.37	1.44	1.93	3.23	3.30	2.88
MIN	0.17	0.51	0.72	0.65	1.11	-0.13	0.62	0.37	1.17	1.34	1.20	0.46
DAYS	31	28	31	30	29	30	5	14	23	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 313

THE MEAN STAGE FOR THE YEAR WAS 1.35.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 3.47 AT 4:00 A.M. ON OCT 20.

LOWEST STAGE WAS MINUS 0.71 ON JAN 10.

## DAILY STAGE FOR 1990

## MISSISSIPPI RIVER-GULF OUTLET AT SHELL BEACH, LA.

LOCATION. LAT. 29-51-00, LONG. 89-41-00. ON SOUTH BANK OF BAYOU YSCLOSKEY 200 FEET SOUTHWEST OF JUNCTION WITH MISSISSIPPI RIVER GULF OUTLET. (STA. 8580004.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO JUNE 30, 1961, GAGE WAS LOCATED IN BAYOU YSCLOSKEY, 500 FEET ABOVE MOUTH.

RECORDS AVAILABLE. JULY 7, 1948 TO DATE.

EXTREMES. HIGHEST, 11.06 FEET (CAUSED BY HURRICANE) ON AUG. 17, 1969. ESTIMATED LOWEST, MINUS 2.7 FEET ON MAR. 5, 1965.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		1.00	1.58	0.78	0.50	1.86	1.39	1.98	1.81		0.98	1.12
2		0.66	1.20	0.65	0.76	2.00	1.16	1.85	1.71		0.95	0.96
3		0.44	0.59	0.54	1.58	1.69	1.73	1.67	1.90		1.26	1.47
4		-0.57	0.27	0.21	1.42	1.38	2.33	1.57	1.40		1.49	1.23
5		-0.23	-0.03	-0.30	1.28	1.92	1.74	1.67	1.30		1.54	1.60
6		-0.26	0.48	0.27	1.73	1.80	1.38	1.42	1.08		2.17	0.98
7		-0.12	0.63	1.76	1.95	1.75	1.11	1.84	0.98		1.76	1.67
8		0.06	1.61	1.34	1.64	1.73	1.42	1.70	0.84		2.30	1.01
9		0.59	1.32	1.29	2.52	1.74	1.48	1.41	1.11		2.58	0.03
10		0.64	1.33	1.56	1.79	1.66	1.38	1.41	1.51		0.84	-0.34
11		0.88	1.51	1.36	2.22	1.36	1.17	1.48	1.92		0.98	-0.38
12		0.34	1.87	1.60	1.92	1.49	1.31	1.71	2.32		0.36	-0.19
13		0.73	1.85	1.25	1.41	1.41	1.28	2.04			0.24	-0.35
14		1.24	1.95	1.10	1.12	1.29	1.43	2.25			0.37	-0.25
15		1.76	2.47	0.96	1.20	1.32	1.46	2.35			0.68	-0.35
16		1.08	2.09	0.57	1.09	1.26	1.86	2.36			0.59	0.04
17		1.22	1.03	0.52	0.85	1.18	2.02	2.45			0.82	-0.05
18		1.02	0.62	0.82	1.67	1.19	2.24	2.16			1.05	0.39
19		0.75	0.11	0.95	1.15	1.86	2.23	1.80			0.94	0.96
20		0.92	0.34	1.13	1.26	1.84	2.02	1.89			1.17	1.03
21		1.52	-0.14	0.95	1.56	1.94	1.87	1.85			1.63	1.23
22		1.56	-0.02	0.88	2.17	1.64	1.73	1.16			1.74	1.20
23		0.26	0.26	1.31	2.33	1.21	1.10	0.99			1.82	1.54
24		0.03	0.35	1.61	2.21	1.36	1.29	0.47		1.94	1.85	0.15
25		0.45	0.89		2.14	0.85	1.32	0.87		1.58	1.47	0.56
26		1.16	1.02	2.15	1.96	0.91	1.61	1.34		1.56	1.48	0.28
27		1.21	1.61	2.20	1.93	0.91	1.94	2.01		1.72	1.69	0.25
28		1.54	1.45	1.09	1.83	1.33	1.82	1.98		1.44	1.11	-0.06
29		-----	1.78	0.96	1.69	1.36	1.77	1.52		1.64	1.30	0.12
30		-----	1.58	0.64	1.69	1.61	2.01	1.04		1.26	1.63	0.06
31		-----	1.16	-----	1.54	-----	1.87	1.06	-----	1.16	-----	0.37

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN		0.71	1.05	1.04	1.62	1.49	1.63	1.65	1.49	1.54	1.29	0.53
MAX		1.76	2.47	2.20	2.52	2.00	2.33	2.45	2.32	1.94	2.58	1.67
MIN		-0.57	-0.14	-0.30	0.50	0.85	1.10	0.47	0.84	1.16	0.24	-0.38
DAYS	0	28	31	29	31	30	31	31	12	8	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 292

THE MEAN STAGE FOR THE YEAR WAS 1.25.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 3.81 AT 11:00 P.M. ON FEB 21.

LOWEST STAGE WAS MINUS 0.63 ON FEB 4.

## DAILY STAGE FOR 1990

BRETON SOUND NEAR GARDNER ISLAND, LA.

LOCATION. LAT. 29-42-23, LONG. 89-25-37. ON MISSISSIPPI RIVER-GULF OUTLET AT U. S. COAST GUARD LIGHT NUMBER 67 (MILE 23.2). (STA. 8585004.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. LOCATION OF GAGE HAS BEEN CHANGED SEVERAL TIMES DURING PERIOD OF RECORD.

RECORDS AVAILABLE. STAGE, JAN. 25, 1957 TO JUNE 1, 1965, AUG. 26, 1966 TO DEC. 1983, AND NOV. 14, 1987 TO DATE.

EXTREMES. HIGHEST, 6.49 FEET (AFFECTED BY HURRICANE) ON SEP. 9, 1988 (PROBABLY HIGHER DURING HURRICANE OF AUG. 1969). LOWEST, MINUS 3.04 FEET ON FEB. 25, 1961.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1967 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0.71	1.66						
2					0.96	1.73						
3					1.37	1.91		1.73				
4					1.15	1.64		1.54				
5					1.27	2.38		1.33				
6					1.81	2.18		1.43				
7					2.14	2.11		2.02				
8					1.81	2.18		1.80				
9					2.61	2.17		1.20				
10					2.06	2.15		1.45				
11					2.48	1.80		1.29				
12					2.02	1.79		1.29				
13					1.83	1.70		1.72				
14					1.46	1.52		2.05				-0.36
15					1.36	1.61		2.30				-0.63
16					1.20	1.51		2.50				-0.28
17					0.85	1.40		2.40				-0.49
18					1.83	1.50		2.24				-0.21
19					1.11	2.07		1.93				0.57
20					1.26	2.19		1.97				0.39
21					1.46	2.25		1.73				0.66
22					2.00	2.16		1.22				0.67
23					2.56			0.78				0.88
24				1.44	2.41							-0.22
25				2.17	2.45							0.40
26				2.35	2.24							0.31
27				2.51	2.19							0.16
28				1.56	1.52							-0.15
29		-----		1.35	1.88							-0.27
30		-----		0.88	1.5							-0.59
31		-----	-----	-----	1.55	-----			-----		-----	-0.18

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN				1.75	1.74	1.89		1.71				0.04
MAX				2.51	2.61	2.38		2.50				0.88
MIN				0.88	0.71	1.40		0.78				-0.63
DAYS	0	0	0	7	31	22	0	21	0	0	0	18

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 99  
 THE MEAN STAGE FOR THE YEAR WAS 1.46.  
 HIGHEST STAGE WAS NOT DETERMINED.  
 LOWEST STAGE WAS NOT DETERMINED.

## DAILY STAGE FOR 1990

WEST BAY NEAR BURRWOOD, LA.

LOCATION. LAT. 29-02-25, LONG. 89-20-16. ON CHEVRON OIL COMPANY DOCK, NORTHWEST OF MILE 9.1 OF SOUTHWEST PASS OF THE MISSISSIPPI RIVER. (STA. 8835004.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. SUBTRACT 0.79 FOOT FROM DAILY STAGES PRIOR TO 1975.

RECORDS AVAILABLE. NOV. 26, 1974 TO DATE.

EXTREMES. HIGHEST, (FROM INCOMPLETE RECORD) 4.43 FEET ON APR. 14, 1983. LOWEST, MINUS 1.06 FEET (FROM INCOMPLETE RECORDS) ON FEB. 12, 1986.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.96	2.05	2.64	2.65	2.26	2.59	2.46	2.59	2.81	2.71	1.97	1.18
2	0.99	1.75	2.92	2.47	2.19	2.67	2.70	2.67	2.91	2.52	1.57	0.88
3	1.02	1.85	2.40	2.05	2.28	2.74	3.00	2.79	3.10	2.43	1.35	1.30
4	1.33	1.68	2.21	1.95	2.18	2.94	2.88	2.74	2.75	2.03	1.50	0.96
5	1.21	1.10	1.90	1.98	2.57	2.95	3.05	3.03	2.43	1.46	1.45	1.08
6	1.16	1.28	1.92	2.06	2.40	3.13	2.91	3.02	2.44	1.51	1.62	1.14
7	1.04	1.04	1.82	1.83	2.62	3.20	3.01	2.88	2.00	1.40	1.66	1.61
8	0.45	1.22	1.92	2.22	2.79	3.20	2.90	2.58	1.79	1.48	2.08	1.80
9	0.26	1.36	2.02	2.22	3.43	3.22	2.73	2.38	1.67	1.85	3.85	1.23
10	0.25	1.89	2.14	2.65	3.27	3.14	2.72	2.17	1.96	2.37	2.38	1.20
11	F 0.20	1.68	2.38	2.48	2.88	3.03	2.50	2.15	2.00	2.58	1.80	1.31
12	0.43	1.72	2.64	2.35	3.30	2.81	2.48	2.04	2.47	2.47	1.76	1.52
13	0.60	1.99	2.67	2.50	3.17	2.73	2.30	2.24	2.72	2.47	1.67	0.94
14	0.78	2.03	2.90	2.71	2.79	2.55	2.33	2.58	2.93	2.46	1.50	1.07
15	1.11	2.59	3.09	2.58	2.51	2.56	2.02	2.90	3.03	2.11	1.52	0.87
16	1.46	2.21	3.05	2.33	2.51	2.53	2.41	3.26	2.97	1.90	1.28	1.08
17	1.46	1.80	2.58	2.23	2.47	2.45	2.42	3.73	2.66	1.91	1.34	0.99
18	1.63	2.10	2.32	2.01	2.14	2.60	2.76	3.51	2.25	2.10	1.42	1.24
19	1.39	1.85	2.15	1.94	2.42	2.92	3.23	3.33	2.21	1.73	1.32	1.24
20	1.70	1.66	1.83	2.03	2.50	3.20	3.31	3.03	1.92	1.83	1.43	1.42
21	1.28	1.80	1.75	2.18	2.60	3.36	3.30	2.90	1.95	1.62	1.65	1.37
22	0.82	1.92	1.82	2.18	2.77	3.52	3.37	2.47	1.54	2.11	1.85	1.55
23	0.98	2.23	1.83	2.57	3.07	3.10	2.96	2.22	1.57	1.74	2.10	1.95
24	1.00	1.44	1.89	2.70	3.55	3.11	2.47	2.00	1.74	2.18	2.20	1.50
25	1.19	1.35	2.14	2.92	3.68	2.92	2.23	1.74	1.89	1.88	2.20	1.58
26	0.73	1.75	2.16	3.15	3.62	2.60	2.06	1.68	2.00	2.01	2.15	1.61
27	0.79	2.01	2.33	3.23	3.50	2.35	2.10	1.96	2.05	2.05	2.50	1.52
28	1.09	2.22	2.71	3.35	3.58	2.36	2.12	2.23	2.32	2.17	2.35	1.32
29	1.80	-----	3.20	3.00	2.90	2.40	2.33	2.40	2.52	2.30	1.75	1.17
30	1.73	-----	3.26	2.42	2.79	2.38	2.40	2.70	2.93	2.23	1.43	1.00
31	1.72	-----	2.83	-----	2.70	-----	2.50	2.70	-----	2.02	-----	0.88

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.05	1.77	2.37	2.43	2.82	2.84	2.64	2.60	2.32	2.05	1.82	1.27
MAX	1.80	2.59	3.26	3.35	3.68	3.52	3.37	3.73	3.10	2.71	3.85	1.95
MIN	0.20	1.04	1.75	1.83	2.14	2.35	2.02	1.68	1.54	1.40	1.28	0.87
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 2.17.

HIGHEST STAGE WAS 4.09 AT 1:15 P.M. ON MAY 28.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 0.20 ON JAN 11.

## DAILY STAGE FOR 1990

GRAND ISLE EAST POINT, LA.

LOCATION. LAT. 29-15-48, LONG. 89-57-24. AT U.S. COAST GUARD BASE. (STA. 8840004.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY NATIONAL OCEAN SERVICE. PRIOR TO 1980 GAGE WAS TITLED BAYOU RIGAUD AT GRAND ISLE, LA. GAGE ZERO OF PUBLISHED REPORTS PRIOR TO 1980 SHOULD BE CORRECTED TO MINUS 4.61 FEET N.G.V.D. FROM 1980 TO 1986 GAGE ZERO WAS MINUS 3.05 FEET N.G.V.D.

RECORDS AVAILABLE. AUG. 2, 1947 TO DATE. PUBLISHED BY CORPS OF ENGINEERS SINCE 1949.

EXTREMES. HIGHEST, 13.19 FEET (CAUSED BY HURRICANE) ON SEP. 9, 1965. LOWEST, 1.4 FEET ON FEB. 2, 1951 AND JAN. 13, 1964. EXTREMES HAVE BEEN ADJUSTED TO CURRENT GAGE ZERO.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO, MINUS 5.60 FEET, NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	5.15	6.04	6.60	6.53	6.57	7.01		6.93	7.04	7.06	6.12	5.62
2	5.29	5.75	6.88	6.48	6.66			6.82	7.19	6.92	5.94	5.39
3	5.36	5.84	6.10	5.97	6.88			6.89	7.25	6.98	5.81	5.85
4	5.61	5.32	5.96	5.85	6.60			6.83	6.95	6.46	5.90	5.14
5	5.36	4.73	5.59	5.90	6.76			7.04	6.76	6.07	5.62	5.47
6	5.28	5.11	5.79	6.17	6.61			6.98	6.79	5.78	6.04	5.71
7	5.39	4.89	5.72	5.99	6.89			6.95	6.49	5.81	6.08	5.95
8	4.55	5.14	5.92	6.40	7.09		6.86	6.79	6.20	5.91	6.43	5.93
9	4.46	5.43	6.09	6.52	7.66		6.79	6.55	6.16	6.24	7.29	5.38
10	4.47	5.82	6.28	6.82	7.15		6.80	6.31	6.35	6.26	6.10	5.26
11	4.41	5.60	6.58	6.51	7.08		6.58	6.40	6.63	6.42	5.99	5.32
12	4.70	5.55	6.91	6.34	7.50		6.71	6.50	7.09	6.36	5.82	5.76
13	4.82	5.95	6.96	6.59	7.24		6.50	6.73	7.22	6.48	5.80	5.18
14	4.94	6.06	7.10	6.78	7.02		6.26	6.99	7.29	6.53	5.67	5.28
15	5.17	6.94	7.47	6.45	6.74		6.20	7.24	7.27	6.25	5.79	5.04
16	5.55	6.29	7.22	6.28	6.72		6.68	7.51	7.13	6.04	5.63	5.30
17	5.60	5.58	6.38	6.28	6.56		6.80	7.83	6.97	6.07	5.55	5.16
18	5.67	6.07	6.10	6.11	6.41		7.08	7.66	6.63	5.87	5.79	5.56
19	5.57	5.78	5.92	5.95	6.68		7.35	7.31	6.57	5.84	5.79	5.60
20	5.78	5.42	5.32	6.34	6.71		7.45	7.08	6.38	6.04	5.87	5.64
21	5.27	5.85	5.39	6.44	6.90		7.29	6.92	6.42	5.97	6.05	5.71
22	4.90	5.98	5.59	6.41	7.04		7.23	6.64	6.04	6.41	6.28	5.94
23	5.02	5.40	5.64	6.81	7.22		6.85	6.44	6.04	5.92	6.47	5.26
24	4.94	5.12	5.80	6.95	7.53		6.53	6.08	6.06	6.13	6.33	5.28
25	4.58	5.13	6.18	7.25	7.59		6.33	5.86	6.22	5.76	6.47	5.54
26	4.53	5.56	6.19	7.54	7.57		6.29	5.99	6.35	5.95	6.44	5.62
27	4.83	6.01	6.56	7.70	7.56		6.44	6.31	6.43	6.17	6.88	5.53
28	5.14	6.34	6.73	7.38	7.43		6.52	6.56	6.65	6.09	6.59	5.23
29	5.66	-----	7.00	6.95	7.00		6.58	6.60	6.52	6.36	5.86	5.24
30	5.79	-----	7.06	6.65	6.99		6.69	6.72	7.16	6.25	5.76	5.11
31	5.78	-----	6.69	-----	7.09	-----	6.87	6.91	-----	6.14	-----	4.63

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	5.15	5.67	6.31	6.55	7.01	7.01	6.74	6.79	6.69	6.21	6.08	5.47
MAX	5.79	6.94	7.47	7.70	7.66	7.01	7.45	7.83	7.29	7.06	7.29	6.26
MIN	4.41	4.73	5.32	5.85	6.41	7.01	6.20	5.86	6.04	5.76	5.55	4.63
DAYS	31	28	31	30	31	1	24	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 329

THE MEAN STAGE FOR THE YEAR WAS 6.24.

HIGHEST STAGE (FROM INCOMPLETE RECORDS) WAS 8.02 AT 11:00 A.M. ON APR 27.

LOWEST STAGE WAS 4.27 ON JAN 8.



## DAILY STAGE FOR 1990

## ATCHAFALAYA BAY NEAR EUGENE ISLAND (LA.)

LOCATION. LAT. 29-27-03, LONG. 91-20-28. ON AMERADA HESS OIL CO. PLATFORM, APPROXIMATELY 5.5 MILES NORTHEAST OF EUGENE ISLAND. (STA. 8855010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. FEB. 25, 1976 TO DATE.

EXTREMES. HIGHEST, (FROM INCOMPLETE RECORD) 6.70 FEET (CAUSED BY HURRICANE) ON AUG. 15, 1985.  
LOWEST, MINUS 2.04 FEET ON DEC. 23, 1989.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1969 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	-0.16	1.18	1.73	1.98	1.56		1.36	1.52	1.32	1.38	-0.09	-0.31
2	0.06	1.75	1.04	1.39	1.76		1.40	1.41	1.24	0.96	-0.15	-0.37
3	0.23	0.92	1.39	1.07	2.06		1.10	1.44	1.45	1.67	0.01	0.87
4	0.55	0.28	1.29	0.83	1.32		1.29	1.33	1.09	0.75	0.33	0.12
5	-0.04	0.25	0.77	0.72	0.62		1.44	1.35	0.75	0.04	0.03	0.53
6	-0.60	-0.09	0.91	0.98	0.62		1.55	1.20	0.94	0.42	0.77	0.39
7	-0.61	-0.19	0.82	0.58	0.98		1.47	0.97	0.75	0.69	0.68	0.29
8	-1.02	0.05	0.91	0.90	1.73		1.17	0.72	0.63	0.91	0.79	0.73
9	-0.80	0.30	0.96	1.25	1.89		1.51	0.78	0.84	1.28	2.40	0.10
10	-0.79	0.58	1.12	1.41	0.92		1.59	1.03	1.05	0.67	0.13	-0.09
11	-0.73	0.36	1.34	0.84	1.68		1.43	1.09	1.48	2.03	0.59	-0.20
12	-0.50	0.49	1.81	1.21	2.38		1.72	1.07	1.87	1.31	-0.01	0.23
13	-0.61	0.89	2.39	1.68	2.32		1.47	1.43	1.76	1.00	-0.40	-0.27
14	-0.18	0.89	2.04	2.11	1.94		1.27	1.73	1.82	1.02	-0.30	-0.31
15	0.02	2.11	0.96	1.28	1.69		1.16	1.87	1.58	0.59	-0.24	-0.34
16	0.48	1.22	2.04	1.44	1.85		1.42	1.98	1.25	0.37	-0.35	-0.11
17	0.43	0.25	1.63	1.47	1.26		1.48	2.14	0.75	0.50	-0.43	-0.05
18	0.36	0.65	1.44	0.64	1.21		1.73	2.23	0.74	-0.28	0.04	0.30
19	0.18	0.44	1.18	0.87	1.50		1.81	1.50	0.75	-0.06	0.03	0.18
20	0.26	0.40	0.84	0.96	1.38		1.66	1.12	0.71	0.21	0.09	0.54
21	-0.52	0.54	0.81	1.11	1.62		1.79	1.13	0.86	0.04	0.58	0.87
22	-0.57	0.59	0.72	0.86	1.28		1.78	1.08	0.48	0.17	0.76	0.97
23	-0.45	0.48	0.65	1.02	1.35		1.78	0.90	0.02	0.50	1.02	0.88
24	-0.36	0.47	0.73	1.07	1.87		1.24	0.62	0.83	0.52	1.01	0.58
25	-0.07	0.56	0.78	1.79	1.94		0.97	0.52	0.80	0.16	0.91	0.70
26	-0.40	0.77	0.71	2.08	2.46		0.93	0.40	0.93	0.63	0.92	0.22
27	0.04	0.85	1.05	1.83	2.41		1.08	0.84	1.09	0.56	1.45	-0.03
28	0.09	1.28	1.32	1.55	2.34		1.27	1.30	1.13	0.28	0.80	-0.10
29	0.81	-----	1.97	2.71	1.99		1.22	1.19	1.04	0.17	-0.17	-0.01
30	1.00	-----	2.33	2.16	2.26		1.02	1.06	1.44	0.32	-0.02	-0.01
31	0.86	-----	1.88	-----	2.02	-----	1.46	1.62	-----	-0.21	-----	0.07

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	-0.10	0.65	1.28	1.33	1.68		1.41	1.24	1.05	0.60	0.37	0.20
MAX	1.00	2.11	2.39	2.71	2.46		1.81	2.23	1.87	2.03	2.40	0.97
MIN	-1.02	-0.19	0.65	0.58	0.62		0.93	0.40	0.02	-0.28	-0.43	-0.37
DAYS	31	28	31	30	31	0	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 335  
THE MEAN STAGE FOR THE YEAR WAS 0.89.  
HIGHEST STAGE WAS 4.02 AT 4:00 A.M. ON NOV 9.  
LOWEST STAGE WAS MINUS 1.02 ON JAN 8.

## DAILY STAGE FOR 1990

## ATCHAFALAYA BAY AT EUGENE ISLAND (LA.)

LOCATION. LAT. 29-22-45, LONG. 91-22-54. ON TOWER B-17 IN SOUTHERN ATCHAFALAYA BAY. (STA. 8860010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO 1973 GAGE WAS MAINTAINED BY NATIONAL OCEAN SURVEY WITH GAGE ZERO AT MINUS 2.99 FEET, NGVD. GAGE REESTABLISHED IN APR. 1973 BY CORPS OF ENGINEERS WITH GAGE ZERO AT M.L.G.

RECORDS AVAILABLE. STAGE, MAY 26, 1939 TO MAY 3, 1972 AND APR. 12, 1973 TO DATE. ADD 0.3 TO DAILY STAGES PRIOR TO 1944, AND SUBTRACT 0.7 FROM DAILY STAGES FROM 1944 TO 1958.

EXTREMES. HIGHEST, 6.81 FEET (AFFECTED BY HURRICANE) ON JUNE 27, 1957. LOWEST, (FROM INCOMPLETE RECORD) MINUS 3.86 FEET ON FEB. 22, 1976. EXTREMES HAVE BEEN ADJUSTED TO CURRENT GAGE ZERO.

## DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	-1.73	-0.05	0.34	0.55	0.26	1.15		-0.05	0.05	0.00	-0.90	-1.65
2	-1.47	-0.35	-0.55	0.20	0.50	0.50		-0.05	-0.07	0.44	-1.15	-1.76
3	-0.89	-0.45	-0.07	-0.25	0.77	0.00		-0.15	0.15	0.16	-1.27	-1.10
4	-0.55 F	-1.98	-0.05	-0.60	0.00	0.45		-0.17	-0.25	-0.95	-1.07 F	-1.70
5	-0.95 F	-1.98	-0.75	-1.05	-0.82	-0.15		-0.15	-0.70	-1.61	-1.76	-1.70
6	-1.75	-1.85	-0.80	-0.67	-0.76	0.02		-0.27	-0.55	-1.20	-1.11	-1.31
7	-1.85 F	-1.98	-1.05	-1.52	-0.22	0.50		-0.40	-0.75	-0.95	-1.10	-1.47
8	F	-1.95	-1.84	-1.17	0.50			-0.65	-0.95	-0.65	-0.37	-0.85
9	F	-1.95	-1.50	-1.04	-0.48	0.50		-0.75	-0.75	-0.20	1.44	-1.02
10	F	-1.95	-1.65	-0.73	-0.30	-0.70	F 0.02	-0.60	-0.40	-1.35	-1.08	-0.95
11	F	-1.95	-1.45	-0.47	-1.16	0.35	-0.19	-0.65	0.15	-0.05	-0.57	-0.85
12	F	-1.90	-1.40	-0.20	-0.22	1.15	0.10	-0.55	0.58	-0.35	-1.07	-0.20
13	F	-1.95	-0.65	0.65	0.25	0.95	-0.02	-0.15	0.40	-0.45	-1.44	-1.30
14	-1.83	-0.50	0.60	0.75	0.63		-0.55	0.20	0.50	-0.43	-1.21	-1.15
15	-1.45	0.85	-0.45	-0.20	0.36		-0.40	0.40	0.25	-0.74	-1.19	-1.56
16	-0.74	-0.30	0.40	0.00	0.50		0.05	0.60	-0.10	-1.05	-1.36	-1.50
17	-0.76	-1.88	-0.27	-0.15	-0.17		-0.05	0.80	-0.59	-0.85	-1.81	-1.42
18	-0.75	-0.80	-0.05	-0.60	-0.20		0.30	0.80	-0.64	-1.75	-1.36	-1.55
19	-1.02	-1.06	-0.30	-0.35	0.10		0.36	0.20	-0.67	-1.46	-1.40	-1.65
20	-1.00	-1.37	-1.30	-0.35	-0.12		0.27	-0.35	-0.84	-0.85	-1.32	-1.11
21	F	-1.95	-1.10	-0.95	-0.30	0.20	0.40	-0.43	-0.65	-0.96	-1.00	-1.13
22	F	-1.95	-1.60	-1.39	-0.70	-0.15	0.30	-0.50	-1.15	-1.10	-0.62	-0.68
23	F	-1.90 F	-1.85	-1.15	-0.35	0.05	0.25	-0.60	-1.60	-0.95	-0.59	-0.77
24	F	-1.95	-1.83	-1.06	-0.16	0.62	-0.37	-0.90	-1.05	-0.90	-0.30 F	-1.72
25	F	-1.95	-1.79	-1.05	0.40	0.70	-0.65	-1.05	-0.75	-1.50	-0.10	-0.60
26	F	-1.95	-1.30	-1.34	0.90	1.23	-0.75	-1.10	-0.60	-0.74	0.04	-0.25
27	-1.96	-0.95	-0.95	0.35	1.20		-0.45	-0.57	-0.30	-0.59	0.60	-0.25
28	-1.80	-0.25	-0.17	-0.06	0.95		-0.30	0.01	-0.20	-0.64	0.55	-0.25
29	-1.30	-----	0.25	1.30	0.65		-0.32	-0.25	-0.33	-0.53 F	-1.80	-0.63
30	-0.50	-----	0.55	0.65	0.84		-0.45	-0.35	0.07	-0.47	-1.55	-1.12
31	-0.45	-----	0.30	-----	0.50	-----	-0.05	0.15	-----	-1.05	-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	-1.49	-1.17	-0.46	-0.16	0.33	0.35	-0.11	-0.24	-0.39	-0.77	-0.86	-1.11
MAX	-0.45	0.85	0.65	1.30	1.23	1.15	0.40	0.80	0.58	0.44	1.44	-0.20
MIN	-1.96	-1.98	-1.39	-1.52	-0.82	-0.15	-0.75	-1.10	-1.60	-1.75	-1.81	-1.76
DAYS	31	28	31	30	31	7	22	31	30	31	30	30

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 332

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS MINUS 0.57.

HIGHEST STAGE WAS 2.96 AT 3:00 A.M. ON NOV 9.

LOWEST STAGE WAS MINUS 2.03 ON OCT 25.

## DAILY STAGE FOR 1990

EAST COTE BLANCHE BAY AT LUKES LANDING, LA.

LOCATION. LAT. 29-35-48, LONG. 91-32-35. ON DOCK, 2.8 MILES NORTH OF ENTRANCE TO BAYOU SALE AND 2.1 MILES SOUTH OF SOUTH BEND, LA. (STA. 8880013.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. FEB. 22, 1957 TO DATE.

EXTREMES. HIGHEST, ESTIMATED 9.50 FEET (CAUSED BY HURRICANE) ON AUG. 15, 1985. LOWEST, MINUS 3.66 FEET ON APR. 9, 1957.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.82	2.32	2.88	2.80	2.73	3.75	2.41	2.77	3.01	2.41	1.32	0.58
2	1.06	2.29	1.78	2.55	2.88	3.35	2.32	2.73	2.66	2.19	1.26	0.39
3	1.68	2.12	2.20	2.16	3.13	2.77	1.95	2.70	3.13	2.86	1.31	1.99
4	1.92	0.03	2.19	2.22	2.69	2.89	2.16	2.53	2.62	1.81	1.71	-0.57
5	1.25	0.00	1.51	2.08	2.14	2.38	2.85	2.52	2.03	0.82	0.73	1.00
6	0.50	0.66	1.44	2.31	2.26	2.61	2.60	2.49	2.25	1.43	1.56	1.51
7	0.06	0.15	1.11	1.42	2.52	3.18	2.61	2.35	2.03	1.68	1.61	1.20
8	-0.81	0.77	1.28	2.22	2.92	3.14	1.90	1.97	1.77	1.95	2.16	1.50
9	-0.23	1.35	1.42	2.50	3.20	3.04	2.69	2.15	1.99	2.41	4.09	1.12
10	-0.32	1.35	1.76	2.61	1.79	2.99	2.61	2.43	2.35	0.24	0.60	1.07
11	-0.14	1.17	2.16	2.01	3.03	2.78	2.61	2.39	2.68	2.16	1.51	0.85
12	-0.28	1.28	2.67	2.54	3.82	2.90	2.75	2.33	3.11	1.87	1.08	1.51
13	-0.25	2.13	3.15	2.78	3.65	2.98	2.53	2.97	3.00	2.00	0.65	0.58
14	0.56	2.32	3.30	2.88	3.21	2.82	2.13	3.24	2.88	2.07	0.76	0.34
15	1.05	3.39	1.19	2.44	3.00	2.96	2.14	3.46	2.63	1.65	0.89	0.30
16	1.59	1.70	2.78	2.63	3.32	2.67	2.68	3.64	2.24	1.34	0.68	0.60
17	1.67	0.11	2.23	2.66	2.59	2.49	2.62	3.98	1.77	1.48	0.31	0.77
18	1.62	1.67	2.40	2.17	2.36	2.25	3.09	3.99	1.87	0.56	1.16	1.12
19	1.41	0.97	2.09	2.35	2.83	1.95	3.08	3.20	1.86	0.71	1.19	0.67
20	1.48	1.06	0.58	2.41	2.69	2.55	2.96	2.76	1.87	1.63	1.21	1.76
21	-0.35	1.23	1.32	2.49	2.88	2.80	3.13	2.76	2.04	1.61	1.80	1.87
22	-0.20	0.99	1.17	2.31	2.27	2.94	2.93	2.60	1.61	1.11	2.15	1.96
23	0.09	0.15	1.14	2.42	2.74	2.72	2.97	2.15	0.72	1.51	2.03	1.74
24	0.32	0.44	1.32	2.56	3.20	2.87	2.39	1.61	1.43	1.65	2.20	
25	0.10	0.28	1.33	2.95	3.17	2.89	2.12	1.54		0.64	2.20	1.55
26	-0.32	1.13	1.00	3.11	3.66	2.80	1.95	1.36	2.04	1.63	2.27	1.62
27	0.61	1.55	1.66	2.87	3.71	2.87	2.28	2.16	2.07	1.77	2.80	1.21
28	0.68	2.24	2.35	2.67	3.70	2.40	2.58	2.64	2.16	1.60	2.05	0.71
29	1.02	-----	3.16	3.28	3.16	2.48	2.44	2.47	2.08	1.74	-0.87	0.55
30	2.07	-----	2.97	2.98	3.44	2.32	2.14	2.22	2.57	1.74	0.32	0.22
31	1.82	-----	2.80	-----	3.39	-----	2.66	3.03	-----	1.17	-----	-0.45

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.66	1.25	1.95	2.51	2.97	2.78	2.53	2.62	2.22	1.59	1.42	0.98
MAX	2.07	3.39	3.30	3.28	3.82	3.75	3.13	3.99	3.13	2.86	4.09	1.99
MIN	-0.81	0.00	0.58	1.42	1.79	1.95	1.90	1.36	0.72	0.24	-0.87	-0.57
DAYS	31	28	31	30	31	30	31	31	29	31	30	30

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 363  
 THE MEAN STAGE FOR THE YEAR WAS 1.96.  
 HIGHEST STAGE WAS 5.40 AT 3:00 A.M. ON NOV 9.  
 LOWEST STAGE WAS MINUS 1.02 ON JAN 2.

PART II  
OBSERVED DISCHARGES  
OF THE  
MISSISSIPPI RIVER AND TRIBUTARIES  
AND  
OTHER WATERSHEDS

## MISSISSIPPI RIVER NEAR COOCHIE, LA.

## DISCHARGE OBSERVATIONS

M A I N C H A N N E L					OVERBANK		TOTAL	
DATE	MEAN GAGE READING	MAXIMUM DEPTH	WIDTH	AREA	VELOCITIES MEAN      MAXIMUM		DISCHARGE	DISCHARGE
1990	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
JAN 05	20.80	96	1850	1109	2.64	3.47		293
JAN 19	34.00	108	2005	1271	5.07	6.52		644
FEB 05	45.20	121	2232	1531	5.77	6.94		883
FEB 27	53.90	129	2300	1748	7.28	10.09		1272
MAR 07	54.50	128	2300	1743	7.35	10.92		1281
MAR 21	50.80	124	2300	1664	6.25	7.84		1040
APR 06	52.30	123	2300	1685	6.53	9.26		1101
APR 16	46.80	119	2296	1593	5.35	6.88		852
MAY 03	46.90	118	2300	1593	5.56	7.70		886
MAY 31	54.80	127	2300	1713	6.30	8.80		1080
JUL 10	42.60	120	2103	1559	5.19	6.81		809
AUG 09	29.40	103	1952	1247	3.49	5.00		435
AUG 23	25.60	100	1873	1199	2.99	4.52		359
SEP 04	26.70	102	1893	1228	3.26	4.38		400
SEP 19	24.00	98	1841	1161	2.57	3.94		298
OCT 12	20.00	96	1791	1102	2.64	3.29		291
OCT 26	27.60	104	1915	1266	3.19	4.34		404
NOV 14	22.00	101	1819	1175	2.80	3.73		329
NOV 29	21.50	100	1807	1155	2.22	3.04		256
DEC 17	31.90	116	1968	1364	3.60	5.00		491
DEC 26	41.65	119	2049	1495	4.88	6.95		730

DISCHARGE RANGE. UPSTREAM FROM OLD RIVER OUTFLOW CHANNEL AT MILE 317.2.  
(STA. 0102011.)

GAGE. MISSISSIPPI RIVER NEAR KNOX LANDING. STAFF TYPE AT MILE 313.7.  
ZERO, NGVD

## MISSISSIPPI RIVER AT TARBERT LANDING, MISS.

1990	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
JAN 09	22.43	40	3463	869	3.46	4.00		301
JAN 18	31.50	49	3515	1196	3.90	4.42		466
JAN 22	34.20	50	3534	1314	4.20	5.32		553
FEB 08	45.03	60	3879	1654	4.99	7.40		825
FEB 20	50.30	67	3885	1904	5.31	8.15		1011
FEB 22	50.84	71	3885	2080	4.92	6.59		1023
FEB 26	51.60	67	3885	1974	5.19	7.90		1024
FEB 28	51.75	72	3885	1972	5.41	8.51		1066
MAR 02	52.00	70	3905	1955	5.46	8.70		1068
MAR 05	52.40	71	3905	2067	5.05	7.51		1043
MAR 12	50.50	65	3900	1917	5.24	8.78		1005
MAR 14	50.07	64	3995	1852	4.92	7.50	2.4	913
MAR 15	49.75	65	3886	1837	4.93	7.10		906
MAR 19	48.60	64	3873	1842	4.81	7.54		886
MAR 21	48.57	65	3872	1886	4.69	6.31		884
MAR 26	49.10	68	3872	1974	4.76	6.55		939
MAR 29	49.80	70	3877	2000	4.81	6.97		962
APR 02	50.00	68	3880	1955	5.00	7.54		978
APR 09	47.80	64	3867	1869	4.70	6.91		879
APR 11	47.15	65	3888	1830	4.65	6.55		851
APR 16	44.37	60	3862	1733	4.61	6.32		798
APR 18	43.66	59	3859	1695	4.74	6.76		803
APR 23	43.50	60	3858	1702	4.57	6.52		777
APR 26	44.05	61	3870	1728	4.51	6.87		779
APR 30	44.40	61	3868	1725	4.44	6.47		766
MAY 03	44.45	61	3877	1740	4.44	6.23		773
MAY 07	44.85	62	3877	1810	4.34	6.01		785
MAY 14	48.46	65	3870	1885	4.93	7.17		930

CONTINUED ON NEXT PAGE

## MISSISSIPPI RIVER AT TARBERT LANDING, MISS.

CONTINUED

## DISCHARGE OBSERVATIONS

DATE	MEAN GAGE READING	MAXIMUM DEPTH	M A I N C H A N N E L		VELOCITIES		OVERBANK	TOTAL
			WIDTH	AREA	MEAN	MAXIMUM	DISCHARGE	DISCHARGE
			FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
1990	FT	FT	FT	SQ FT	FPS	FPS	1000 CFS	1000 CFS
MAY 17	49.65	65	3883	1873	4.76	7.53		892
MAY 21	49.40	67	3880	1917	4.53	6.57		869
MAY 24	49.35	71	3881	1999	4.51	6.25		901
MAY 29	51.65	70	3890	2018	4.72	7.57		952
MAY 31	52.10	68	3975	2025	4.97	7.62	2.4	1008
JUN 04	53.55	70	3975	2052	5.12	8.11	5.6	1056
JUN 11	54.50	69	3890	2096	5.16	7.68		1082
JUN 13	54.50	70	3975	2078	5.21	7.94	11.1	1093
JUN 18	53.60	69	3975	2012	5.26	7.81	9.4	1069
JUN 20	53.15	67	3890	1967	5.08	7.57		999
JUN 25	50.70	64	3884	1883	4.69	5.86		884
JUL 02	45.68	59	3883	1660	4.65	6.39		772
JUL 09	41.11	54	3829	1501	4.23	4.94		636
JUL 16	34.26	48	3511	1253	3.96	4.63		497
JUL 23	30.80	45	3492	1179	3.99	4.75		471
JUL 25	31.47	46	3501	1199	3.99	4.72		479
JUL 30	31.00	45	3492	1185	3.73	4.19		442
AUG 06	28.80	44	3475	1109	3.72	4.21		412
AUG 14	25.90	41	3457	995	3.67	4.14		365
AUG 20	24.70	40	3453	952	3.57	4.00		340
AUG 22	24.00	39	3446	910	3.63	4.08		330
AUG 27	22.65	39	3443	907	3.45	3.95		313
SEP 04	24.60	42	3452	978	3.49	3.86		341
SEP 06	24.50	43	3453	994	3.52	3.95		350
SEP 10	23.90	42	3449	979	3.45	3.91		338
SEP 12	23.30	40	3445	960	3.43	3.99		330
SEP 17	22.75	40	3443	930	3.50	3.93		325
SEP 19	22.10	40	3440	901	3.35	3.82		302
SEP 24	20.60	39	3433	867	3.32	3.86		288
SEP 26	20.55	38	3433	855	3.35	3.67		286
OCT 01	20.05	38	3430	836	3.35	3.72		280
OCT 03	20.05	38	3429	835	3.30	3.87		276
OCT 09	18.90	36	3425	788	3.15	3.57		248
OCT 11	18.10	35	3419	757	3.19	3.76		241
OCT 15	20.80	38	3435	865	3.45	3.84		299
OCT 17	22.65	40	3444	927	3.51	3.70		326
OCT 22	24.17	41	3452	991	3.57	4.25		353
OCT 24	25.03	41	3459	1001	3.55	4.04		355
OCT 29	24.67	42	3459	991	3.53	4.12		349
OCT 31	24.30	43	3452	978	3.38	4.14		330
NOV 05	24.30	40	3457	963	3.51	3.99		338
NOV 08	23.60	42	3452	943	3.51	3.89		331
NOV 13	20.40	37	3431	838	3.30	3.80		277
NOV 15	20.10	36	3430	813	3.27	3.69		266
NOV 19	20.00	38	3431	841	3.36	3.80		282
NOV 21	20.65	37	3431	857	3.36	3.74		288
NOV 26	20.70	36	3437	844	3.24	3.54		273
NOV 28	19.95	37	3428	831	3.14	3.48		261
DEC 03	20.90	40	3431	851	3.40	3.80		289
DEC 05	21.30	41	3426	874	3.47	3.74		303
DEC 10	25.00	43	3461	1017	3.52	4.17		358
DEC 12	27.20	49	3470	1107	3.89	4.74		431
DEC 17	29.70	47	3488	1194	3.87	4.47		462
DEC 19	28.22	45	3475	1153	3.70	4.30		427
DEC 27	40.62	62	3828	1587	4.58	6.56		727
DEC 31	45.35	70	3736	1796	5.33	7.79		958

DISCHARGE RANGE. UPSTREAM FROM LOWER OLD RIVER AT MILE 306.3.  
(STA. 0110011.)

GAGE. RED RIVER LANDING, LA. STAFF TYPE AT MILE 302.4. ZERO, NGVD

## MISSISSIPPI RIVER AT SMITHLAND CROSSING (LA.) (NORTH)

## DISCHARGE OBSERVATIONS

DATE	MEAN GAGE READING	MAXIMUM DEPTH	M A I N     C H A N N E L		OVERBANK		TOTAL	
			WIDTH	AREA	VELOCITIES MEAN	MAXIMUM	DISCHARGE	DISCHARGE
1990	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
JAN 24	35.20	60	5118	1063	3.06	4.22		326
FEB 07	44.44	59	6364	1659	3.58	4.25		593
MAR 07	52.42	65	6781	2144	3.75	5.25		804
APR 04	49.60	55	6774	2004	3.55	4.36		712
MAY 02	44.30	41	6391	1570	3.41	4.09		536
JUN 13	54.50	49	6764	2174	3.82	5.24		830
JUL 25	31.67	29	4943	703	4.17	5.19		294
AUG 29	22.80	24	4150	391	4.22	6.63		165
OCT 17	22.65	39	4173	514	3.85	6.16		198

DISCHARGE RANGE. 4 MILES DOWNSTREAM FROM LOWER OLD RIVER AT MILE 298.5.  
(STA. 0112112B.)

GAGE. RED RIVER LANDING, LA. STAFF TYPE AT MILE 302.4. ZERO, NGVD.

## MISSISSIPPI RIVER AT SMITHLAND CROSSING (LA.) (SOUTH)

1990	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
JAN 24	35.20	47	1903	630	3.73	4.15		235
FEB 07	44.44	51	1968	638	3.70	4.45		236
MAR 07	52.42	61	2034	834	3.04	3.62		253
APR 04	49.60	60	2034	739	3.17	3.57		235
MAY 02	44.30	54	2051	666	3.78	4.56		251
JUN 13	54.50	64	2051	872	3.49	4.25		304
JUL 25	31.67	44	1749	414	4.42	5.34		183
AUG 29	22.80	34	1382	267	5.22	5.75		140
OCT 17	22.65	40	1375	319	4.50	5.24		144
DEC 05	21.30	41	1378	298	4.19	4.79		125

DISCHARGE RANGE. 4 MILES DOWNSTREAM FROM LOWER OLD RIVER AT MILE 298.5.  
(STA. 0112312B.)

GAGE. RED RIVER LANDING, LA. STAFF TYPE AT MILE 302.4. ZERO, NGVD.

## PROFIT ISLAND CHUTE (LA.)

1990	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
JAN 22	19.80	80	1004	459	4.12	5.30		189
APR 20	28.00	88	1057	518	5.16	5.70		268
JUL 12	24.60	83	1004	517	4.36	5.30		225
OCT 03	7.90	65	945	326	2.12	2.60		69.1

DISCHARGE RANGE. UPSTREAM FROM BATON ROUGE AT MILE 248.  
(STA. 0115009.)

GAGE. BATON ROUGE, LA. STAFF TYPE AT MILE 228.4. ZERO, NGVD

## MISSISSIPPI RIVER AT BELLE CHASSE, LA.

1990	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
JAN 10			2400	1730	1.83			315
FEB 22			2560	1900	5.40			1029

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## MISSISSIPPI RIVER AT BELLE CHASSE, LA.

CONTINUED

## DISCHARGE OBSERVATIONS

DATE	MEAN GAGE READING	MAXIMUM DEPTH	M A I N C H A N N E L		OVERBANK		TOTAL	
			WIDTH	AREA	VELOCITIES MEAN	MAXIMUM	DISCHARGE	DISCHARGE
				100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
1990	FT	FT	FT					
MAR 07			2530	1942	5.46			1061
APR 19			2260	1747	3.98			694
MAY 09			2470	1746	4.10			716
JUN 27			2350	1830	4.90			901
JUL 19			2340	1721	2.54			439
AUG 20			2250	1793	2.02			361
SEP 19			2260	1732	1.76			305
NOV 02			2380	1576	2.22			349
NOV 14			2270	1551	1.30			200
DEC 13			2230	1582	2.53			400

MEASUREMENTS MADE BY U.S. GEOLOGICAL SURVEY.

DISCHARGE RANGE. AT FERRY CROSSING AT MILE 76.0. (STA. 0138804.)

## MISSISSIPPI RIVER NEAR VENICE, LA.

1990	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
MAR 11		81	2828	1634	5.00	7.00		817

DISCHARGE RANGE. MILE 12.4, ABOUT ONE MILE UPSTREAM FROM BAPTISTE COLLETTE BAYOU. (STA. 0145604.)

GAGE. MISSISSIPPI RIVER AT HEAD OF PASSES. AUTOMATIC TYPE, 0.6 MILE DOWNSTREAM FROM HEAD OF PASSES. ZERO, NGVD

## BAPTISTE COLLETTE BAYOU NEAR VENICE, LA. (ABOVE EMELINE PASS)

1990	FT	FT	FT	SQ FT	FPS	FPS	CFS	CFS
MAR 11		47	547	15661	5.04	6.00		79001

DISCHARGE RANGE. ONE MILE DOWNSTREAM FROM HEAD OF BAYOU (MILE 11.4, MISSISSIPPI RIVER). (STA. 0146004.)

GAGE. MISSISSIPPI RIVER AT HEAD OF PASSES. AUTOMATIC TYPE, 0.6 MILE DOWNSTREAM FROM HEAD OF PASSES. ZERO, NGVD

## THE JUMP AT VENICE, LA.

1990	FT	FT	FT	SQ FT	FPS	FPS	CFS	CFS
MAR 11		26	718	14366	4.12	5.00		59247

DISCHARGE RANGE. 0.6 MILE DOWNSTREAM FROM HEAD OF GRAND PASS (THE JUMP) MILE 10.5, MISSISSIPPI RIVER. (STA. 0150004.)

GAGE. MISSISSIPPI RIVER AT HEAD OF PASSES. AUTOMATIC TYPE, 0.6 MILE DOWNSTREAM FROM HEAD OF PASSES. ZERO, NGVD

## CUBITS GAP

1990	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
FEB 26		23	3468	450	2.40	3.50		108

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## CUBITS GAP

CONTINUED

## DISCHARGE OBSERVATIONS

DATE	MEAN GAGE READING	MAXIMUM DEPTH	WIDTH	AREA	VELOCITIES		DISCHARGE	TOTAL DISCHARGE
					MEAN	MAXIMUM		
1990	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
MAR 11		22	3281	507	2.33	2.90		118
SEP 25		30	3461	522	0.51	0.90		26.7

DISCHARGE RANGE. 200 FEET ABOVE ENTRANCE TO MISSISSIPPI RIVER.  
(STA. 0150904.)

GAGE. MISSISSIPPI RIVER AT VENICE, LA. AUTOMATIC TYPE, MILE 10.7 ON  
RIGHT BANK. ZERO, NGVD

## MAIN PASS NEAR PILOT TOWN, LA.

1990	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
FEB 26	3.40	31	1627	223	3.24	3.80		72.3
MAR 11		23	1574	213	3.11	4.10		66.3

DISCHARGE RANGE. AT HEAD OF PASS (OPPOSITE MILE THREE, MISSISSIPPI RIVER).  
(STA. 0151004.)

GAGE. MISSISSIPPI RIVER AT HEAD OF PASSES. AUTOMATIC TYPE, 0.6 MILES  
DOWNSTREAM FROM HEAD OF PASSES. ZERO, NGVD

## OCTAVE PASS NEAR PILOT TOWN, LA.

1990	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
FEB 26		17	393	36.6	2.88	3.10		10.5
MAR 11	4.49	18	1266	138	2.55	3.40		35.4

DISCHARGE RANGE. AT HEAD OF PASS (OPPOSITE MILE THREE, MISSISSIPPI RIVER).  
(STA. 0152004.)

GAGE. MISSISSIPPI RIVER AT HEAD OF PASSES. AUTOMATIC TYPE, 0.6 MILES  
DOWNSTREAM FROM HEAD OF PASSES. ZERO, NGVD

## MISSISSIPPI RIVER AT MILE 3.8 - EAST WILD LIFE SLIP

1990	FT	FT	FT	SQ FT	FPS	FPS	CFS	CFS
FEB 26	3.20	62	3783	154771	4.32	5.40		668584

GAGE. MISSISSIPPI RIVER AT VENICE, LA. AUTOMATIC TYPE, MILE 10.7 ON  
RIGHT BANK. ZERO, NGVD (STA. 0152104.)

## MISSISSIPPI RIVER AT MILE 2.0 - PILOT TOWN

1990	FT	FT	FT	SQ FT	FPS	FPS	CFS	CFS
FEB 26	3.40	55	4806	152175	4.09	5.40		622400
MAR 11		52	4488	137159	4.36	5.80		598611

GAGE. MISSISSIPPI RIVER AT HEAD OF PASSES. AUTOMATIC TYPE, 0.6 MILES  
DOWNSTREAM FROM HEAD OF PASSES. ZERO, NGVD. (STA. 0152404.)

## BRANT PASS NEAR PILOT TOWN, LA.

## DISCHARGE OBSERVATIONS

DATE	MEAN GAGE READING	MAXIMUM DEPTH	M A I N C H A N N E L		VELOCITIES		OVERBANK	TOTAL
			WIDTH	AREA	MEAN	MAXIMUM	DISCHARGE	DISCHARGE
1990	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
FEB 26		27	590	87.3	2.93	3.50		25.6
MAR 11	4.49	33	585	105	3.58	4.30		37.6

DISCHARGE RANGE. AT HEAD OF PASS (OPPOSITE MILE THREE, MISSISSIPPI RIVER).  
(STA. 0153004.)

GAGE. MISSISSIPPI RIVER AT HEAD OF PASSES. AUTOMATIC TYPE, 0.6 MILES  
DOWNSTREAM FROM HEAD OF PASSES. ZERO, NGVD

## RAPHAEL PASS NEAR PILOT TOWN, LA.

1990	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
FEB 26		12	262	20.6	2.78	3.20		5.7
MAR 11	4.49	12	315	22.0	2.75	3.50		6.0

DISCHARGE RANGE. AT HEAD OF PASS (OPPOSITE MILE THREE, MISSISSIPPI RIVER).  
(STA. 0154004.)

GAGE. MISSISSIPPI RIVER AT HEAD OF PASSES. AUTOMATIC TYPE, 0.6 MILES  
DOWNSTREAM FROM HEAD OF PASSES. ZERO, NGVD

## SOUTHWEST PASS NEAR HEAD OF PASSES (LA.)

1990	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
MAR 11	2.85	64	2165	708	4.01	5.50		284

DISCHARGE RANGE. 3.2 MILES DOWNSTREAM FROM HEAD OF PASSES. (STA. 0155004.)

GAGE. MISSISSIPPI RIVER AT HEAD OF PASSES. AUTOMATIC TYPE, 0.6 MILES  
DOWNSTREAM FROM HEAD OF PASSES. ZERO, NGVD

## SOUTH PASS NEAR HEAD OF PASSES (LA.)

1990	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
MAR 11	2.85	50	1525	324	4.05	4.90		131
SEP 25	0.60	45	1131	318	2.33	3.40		74.1

DISCHARGE RANGE. 3.8 MILES DOWNSTREAM FROM HEAD OF PASSES. (STA. 0155304.)

GAGE. MISSISSIPPI RIVER AT HEAD OF PASSES. AUTOMATIC TYPE, 0.6 MILES  
DOWNSTREAM FROM HEAD OF PASSES. ZERO, NGVD

## PASS A LOURE NEAR HEAD OF PASSES (LA.)

1990	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
MAR 11		33	3412	448	3.24	4.00		145
SEP 25		28	2756	326	1.79	2.90		58.4

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## PASS A LOU TRE NEAR HEAD OF PASSES (LA.)

CONTINUED

DISCHARGE RANGE. 0.9 MILES DOWNSTREAM FROM HEAD OF PASSES. (STA. 0155604.)

GAGE. MISSISSIPPI RIVER AT HEAD OF PASSES. AUTOMATIC TYPE, 0.6 MILES  
DOWNSTREAM FROM HEAD OF PASSES. ZERO, NGVD

## SOUTHWEST PASS OUTLET AT MILE 3.0 WEST

## DISCHARGE OBSERVATIONS

DATE	MEAN GAGE READING	MAXIMUM DEPTH	M A I N C H A N N E L		OVERBANK		TOTAL DISCHARGE
			WIDTH	AREA	VELOCITIES MEAN	MAXIMUM	
	FT	FT	FT	SQ FT	FPS	FPS	CFS
1990 SEP 26		20	147	1542	4.57	5.20	7051

DISCHARGE RANGE. THREE MILES DOWNSTREAM FROM HEAD OF SOUTHWEST PASS.  
(STA. 0156004.)GAGE. MISSISSIPPI RIVER AT HEAD OF PASSES. AUTOMATIC TYPE, 0.6 MILE  
DOWNSTREAM FROM HEAD OF PASSES. ZERO, NGVD

## SOUTHWEST PASS OUTLET AT MILE 4.5 EAST (JOSEPH BAYOU)

	FT	FT	FT	SQ FT	FPS	FPS	CFS	CFS
1990 SEP 26		17	295	3643	2.72	3.30		9890

DISCHARGE RANGE. 4.5 MILES DOWNSTREAM FROM HEAD OF SOUTHWEST PASS.  
(STA. 0157004.)GAGE. MISSISSIPPI RIVER AT HEAD OF PASSES. AUTOMATIC TYPE, 0.6 MILE  
DOWNSTREAM FROM HEAD OF PASSES. ZERO, NGVD

## SOUTHWEST PASS OUTLET AT MILE 9.8 WEST (W-2)

	FT	FT	FT	SQ FT	FPS	FPS	CFS	CFS
1990 SEP 26		35	360	5081	2.12	3.30		10777

T- FLOW AFFECTED BY EDDIES.

DISCHARGE RANGE. 9.8 MILES DOWNSTREAM FROM HEAD OF SOUTHWEST PASS.  
(STA. 0158004.)GAGE. MISSISSIPPI RIVER AT HEAD OF PASSES. AUTOMATIC TYPE, 0.6 MILE  
DOWNSTREAM FROM HEAD OF PASSES. ZERO, NGVD

## SOUTHWEST PASS OUTLET AT MILE 14.2 EAST (BURRWOOD BAYOU)

	FT	FT	FT	SQ FT	FPS	FPS	CFS	CFS
1990 SEP 26		25	328	5158	2.51	3.10		12925

DISCHARGE RANGE. 14.2 MILES DOWNSTREAM FROM HEAD OF SOUTHWEST PASS.  
(STA. 0164004.)GAGE. MISSISSIPPI RIVER AT HEAD OF PASSES. AUTOMATIC TYPE, 0.6 MILE  
DOWNSTREAM FROM HEAD OF PASSES. ZERO, NGVD

## OLD RIVER AUXILIARY CONTROL OUTFLOW CHANNEL NEAR KNOX LANDING, LA.

## DISCHARGE OBSERVATIONS

DATE	MEAN GAGE READING	MAXIMUM DEPTH	M A I N C H A N N E L		VELOCITIES		OVERBANK	TOTAL
			WIDTH	AREA	MEAN	MAXIMUM	DISCHARGE	DISCHARGE
			FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
1990	FT	FT	FT					
JAN 08	11.60	24	660	129	1.90	2.42		24.4
JAN 24	19.90	44	790	208	1.48	1.88		30.9
FEB 07	26.90	39	891	249	1.51	1.84		37.6
FEB 22	37.60	50	1026	346	2.67	3.25		92.3
MAR 01	39.10	52	1039	362	3.80	4.49		138
MAR 22	33.40	46	968	305	2.54	2.98		77.4
APR 09	33.30	45	970	302	2.64	3.11		79.5
APR 23	27.80	40	901	250	2.19	2.56		54.9
MAY 07	29.10	41	922	258	2.44	3.02		62.9
JUN 01	39.60	52	1039	365	2.86	3.27		105
JUN 11	41.90	55	1076	394	3.11	3.74		123
JUL 03	28.90	41	916	255	2.40	3.13		61.2
JUL 24	20.30	32	784	186	3.32	3.94		61.7
AUG 08	19.60	30	758	170	3.91	4.01		66.4
AUG 24	14.90	25	704	131	4.50	5.54		58.8
OCT 09	11.90	18	658	83.7	5.85	7.02		49.0
OCT 22	15.20	23	709	121	2.21	2.75		26.6
NOV 16	12.20	24	663	123	3.65	4.20		44.9
NOV 30	11.40	24	653	122	2.45	2.93		29.9
DEC 18	19.50	32	777	179	3.76	4.67		67.4

DISCHARGE IS REGULATED BY OLD RIVER AUXILIARY CONTROL STRUCTURE.  
(STA. 0250011.)

GAGE. AUTOMATIC TYPE AT AUXILIARY CONTROL STRUCTURE. ZERO, NGVD

## OLD RIVER OUTFLOW CHANNEL NEAR KNOX LANDING, LA.

1990	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
JAN 11	15.60	30	1774	299	3.46	4.23		103
JAN 31	23.90	41	1844	488	1.23	1.59		60.3
FEB 08	27.40	44	1862	553	1.83	2.09		101
FEB 23	37.70	53	1883	726	3.48	4.05		253
MAR 13	37.10	52	1881	712	2.99	3.33		213
MAR 27	34.90	50	1889	675	2.81	3.56		190
APR 12	30.70	45	1871	611	1.81	2.15		111
APR 25	28.30	43	1867	564	2.14	2.38		121
MAY 09	29.60	44	1865	583	2.42	2.66		141
MAY 25	34.90	50	1891	687	2.57	2.89		177
JUN 12	42.00	56	1906	811	3.42	4.22		278
JUN 22	38.20	53	1890	739	3.05	3.42		226
JUL 12	24.70	39	1832	481	2.99	3.62		144
JUL 25	21.00	34	1808	384	3.26	3.83		125
AUG 10	16.20	31	1780	322	3.63	4.63		117
AUG 28	14.60	29	1770	270	3.77	4.60		102
SEP 12	15.20	31	1774	283	3.80	4.92		107
SEP 24	13.00	31	1770	245	3.81	4.67		93.2
OCT 10	11.10	28	1753	217	3.54	4.89		76.7
OCT 24	15.30	34	1781	299	3.01	3.40		90.1
NOV 19	12.00	30	1760	236	3.25	3.98		76.8
DEC 05	13.30	32	1770	257	3.25	3.65		83.4
DEC 21	17.50	37	1790	338	3.34	4.09		113

DISCHARGE RANGE. 5.5 MILES DOWNSTREAM FROM OLD RIVER CONTROL STRUCTURE.  
(STA. 0260011.)

GAGE. AUTOMATIC TYPE AT CONTROL STRUCTURE. ZERO, NGVD

## ATCHAFALAYA RIVER AT SIMMESPORT, LA.

## DISCHARGE OBSERVATIONS

DATE	MEAN GAGE READING	MAXIMUM DEPTH	M A I N     C H A N N E L		VELOCITIES		OVERBANK	TOTAL
			WIDTH	AREA	MEAN	MAXIMUM	DISCHARGE	DISCHARGE
1990	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
JAN 10	9.75	32	1857	440	2.91	3.48		128
JAN 23	16.72	41	1895	607	3.58	4.49		217
FEB 09	25.20	48	1932	703	4.33	5.90		304
FEB 21	31.40	54	1957	820	4.86	6.22		399
FEB 23	32.60	57	1971	894	4.73	6.82		423
FEB 27	33.31	60	1973	918	5.25	7.06		482
MAR 01	33.45	61	1973	922	4.96	6.79		457
MAR 06	33.97	59	1975	914	5.01	7.06		459
MAR 13	32.30	56	1967	866	4.85	6.57		420
MAR 16	30.75	56	1957	857	4.58	5.85		393
MAR 20	29.70	56	1953	822	4.43	5.50		364
MAR 27	30.60	55	1959	852	4.60	5.99		392
MAR 30	31.60	56	1962	884	4.67	6.15		413
APR 03	31.50	56	1957	876	4.75	6.22		416
APR 10	28.50	53	1939	828	4.44	5.66		367
APR 17	25.16	48	1922	742	4.57	5.93		339
APR 24	24.40	47	1925	725	4.48	5.98		325
APR 27	24.90	49	1929	732	4.32	5.72		316
MAY 01	25.11	46	1931	732	4.40	5.67		322
MAY 04	25.40	47	1932	727	4.41	5.56		321
MAY 08	25.42	47	1931	734	4.13	5.70		303
MAY 15	30.02	56	1955	841	4.78	6.26		402
MAY 18	30.80	56	1958	855	4.77	6.04		407
MAY 22	30.73	55	1956	852	4.71	6.12		401
MAY 25	31.00	56	1959	865	4.76	6.71		412
JUN 01	34.40	59	1976	922	5.16	6.79		476
JUN 05	35.80	59	1984	944	5.46	7.27		515
JUN 12	36.70	62	1992	957	5.44	6.93		521
JUN 19	35.10	57	1983	929	5.35	7.00		497
JUN 21	33.80	55	1973	907	5.03	6.12		456
JUN 26	30.56	53	1952	843	4.73	5.77		398
JUL 03	25.37	46	1923	735	4.26	5.07		313
JUL 10	22.19	42	1913	659	4.11	5.17		271
JUL 17	17.50	41	1887	591	3.69	4.74		218
JUL 24	15.40	38	1882	541	3.76	4.62		203
JUL 26	15.85	38	1889	547	3.61	4.23		197
JUL 31	15.74	37	1887	543	3.66	4.55		199
AUG 02	15.30	36	1876	525	3.63	4.44		190
AUG 07	13.90	36	1871	504	3.22	3.99		163
AUG 09	12.65	33	1879	491	3.33	4.17		163
AUG 13	12.20	33	1880	485	3.35	4.25		162
AUG 16	11.80	34	1874	481	3.20	4.14		154
AUG 21	11.30	35	1866	476	3.19	4.30		152
AUG 23	10.20	34	1861	465	3.10	3.89		144
AUG 28	9.90	34	1858	453	3.18	4.06		144
AUG 30	10.10	34	1861	461	3.13	4.02		144
SEP 05	11.00	35	1869	481	3.17	4.04		153
SEP 11	10.40	34	1862	473	3.02	3.97		143
SEP 13	10.30	34	1862	459	2.93	3.95		134
SEP 18	9.60	33	1861	447	3.05	3.91		137
SEP 20	9.10	33	1836	434	2.87	4.00		124
SEP 25	7.65	32	1858	414	2.83	3.91		117
SEP 27	8.01	33	1851	421	2.86	3.72		120
OCT 02	8.10	32	1856	420	2.72	3.41		114
OCT 04	7.65	31	1852	411	2.61	3.29		107
OCT 10	6.80	31	1848	393	2.84	3.67		111
OCT 16	8.77	35	1861	451	2.86	3.59		129
OCT 18	9.90	35	1864	465	3.07	3.78		143
OCT 23	10.83	35	1874	473	2.92	3.74		138
OCT 25	11.44	36	1871	476	3.13	3.99		149
OCT 30	10.77	36	1870	460	3.04	3.72		140
NOV 01	11.57	33	1878	470	3.11	3.72		146
NOV 06	11.20	33	1877	461	3.16	3.99		146

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## ATCHAFALAYA RIVER AT SIMMESPORT, LA.

CONTINUED

## DISCHARGE OBSERVATIONS

DATE	MEAN GAGE READING	MAXIMUM DEPTH	M A I N C H A N N E L		VELOCITIES		OVERBANK	TOTAL
			WIDTH	AREA	MEAN	MAXIMUM	DISCHARGE	DISCHARGE
	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
1990								
NOV 14	8.47	31	1856	424	2.89	3.76		123
NOV 20	8.30	31	1860	433	2.79	3.61		121
NOV 27	8.37	32	1854	421	2.80	3.70		118
NOV 29	8.30	33	1854	419	2.93	3.76		123
DEC 04	9.20	33	1863	433	2.84	3.84		123
DEC 06	9.60	34	1867	446	2.97	3.86		132
DEC 11	11.60	34	1878	479	3.31	4.29		159
DEC 13	13.39	36	1889	513	3.57	4.17		183
DEC 18	14.00	38	1885	529	3.58	4.42		189

DISCHARGE RANGE. DOWNSTREAM FROM KANSAS CITY SOUTHERN RAILROAD BRIDGE AT  
MILE 8.2. (STA. 0304512.)

GAGE. AUTOMATIC TYPE ON BRIDGE (MILE 4.9). ZERO, NGVD

## BAYOU CHENE BELOW BAYOU CROOK CHENE (LA.)

1990	FT	FT	FT	SQ FT	FPS	FPS	CFS	CFS
JAN 03	3.19	7	121	564	0.32	0.50		180
JAN 11	5.18	8	147	844	0.58	0.90		493
JAN 17	7.00	10	153	1119	0.90	1.40		1009
JAN 26	9.20	12	179	1600	1.22	1.90		1952
JAN 31	10.10	13	178	1691	1.33	2.00		2255
FEB 08	11.39	15	191	1968	1.71	2.40		3368
FEB 13	12.65	17	203	2263	2.02	2.90		4566
FEB 23	14.70	17	268	2396	2.16	2.80		5162
FEB 28	15.00	18	271	2570	1.97	2.70		5056
MAR 07	15.30	18	275	2521	2.06	2.80		5203
MAR 13	14.80	16	269	2174	1.91	2.60		4153
MAR 20	13.80	15	206	1921	1.82	2.40		3498
MAR 27	13.85	15	209	1926	2.27	3.20		4376
APR 04	14.20	16	212	2002	2.32	3.20		4650
APR 11	13.15	15	192	1791	1.62	2.30		2907
APR 18	11.95	13	181	1554	1.43	2.00		2223
APR 24	11.50	12	178	1383	1.36	1.80		1884
MAY 09	11.95	12	177	1365	1.89	2.50		2573
MAY 23	13.85	14	205	1765	2.11	2.70		3717
JUN 05	15.50	16	202	2108	2.53	3.00		5342
JUN 19	15.40	17	202	2048	2.34	3.30		4785
JUL 03	12.25	13	179	1483	1.36	1.70		2010
JUL 18	8.50	9	156	929	0.88	1.30		817
JUL 30	7.55	8	152	776	0.96	1.20		742
AUG 15	5.85	6	134	462	0.78	1.10		359
AUG 28	4.77	5	125	339	0.82	1.00		280
SEP 12	5.18	5	125	353	0.83	1.10		293
SEP 24	3.78	4	106	252	0.73	1.00		184
OCT 10	3.47	5	95	272	0.70	1.20		192
OCT 23	5.30	6	126	451	0.68	1.00		307
NOV 08	5.17	6	128	449	0.71	1.00		318
NOV 20	4.29	6	125	371	0.58	1.10		215
DEC 04	4.60	6	113	363	0.58	1.00		212
DEC 19	6.40	7	141	589	0.96	1.30		566

DIRECTION OF FLOW, NORTH.

PRIOR TO APR. 13, 1975, DISCHARGE RANGE WAS LOCATED 1000 FEET DOWNSTREAM

CONTINUED ON NEXT PAGE

## BAYOU CHENE BELOW BAYOU CROOK CHENE (LA.)

CONTINUED

FROM JUNCTION WITH BAYOU CROOK CHENE.

DISCHARGE RANGE. 600 FEET DOWNSTREAM FROM JUNCTION WITH BAYOU CROOK CHENE.  
(STA. 0340512.)GAGE. BIG BAYOU CHENE ABOVE LAKE CHICOT. STAFF TYPE AT MILE 77.9. ZERO,  
NGVD

## GRAND LAKE AT MILLER POINT (LA.)

## DISCHARGE OBSERVATIONS

DATE	MEAN GAGE READING	MAXIMUM DEPTH	M A I N   C H A N N E L				OVERBANK	TOTAL
			WIDTH	AREA	VELOCITIES		DISCHARGE	DISCHARGE
					MEAN	MAXIMUM		
1990	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
MAY 17	9.50	83	3323	894	3.25	5.20		291
JUN 06	10.71	75	3673	916	4.02	6.10		369
JUN 21	10.48	77	3673	927	2.79	3.50		259
JUL 19	5.65	77	3323	779	2.44	3.50		190
AUG 29	3.34	75	3281	720	1.48	3.00		107
NOV 14	2.73	75	3477	702	1.90	3.40		134

DISCHARGE RANGE. ABOUT 4.5 MILES DOWNSTREAM FROM CHICOT PASS AT MILE 10  
(STA. 0358710.)GAGE. CHICOT PASS NEAR MYETTE POINT. AUTOMATIC TYPE AT MILE 95.4.  
ZERO, NGVD

## CYPRESS PASS AT CYPRESS ISLAND (LA.)

1990	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
MAY 17	9.52	65	1213	347	4.04	6.00		140
JUN 06	10.70	66	1115	466	4.77	6.30		222
JUN 21	10.48	63	1115	480	4.39	5.40		211
JUL 19	5.65	61	1017	432	2.83	3.50		122
AUG 29	3.32	59	1017	421	1.67	2.40		70.5
NOV 14	2.70	62	994	440	1.86	2.50		81.9

DIRECTION OF FLOW, SOUTH.

DISCHARGE RANGE. AT POWER LINE CROSSING. (STA. 0366010.)

GAGE. SIX MILE LAKE AT VERDUNVILLE. AUTOMATIC TYPE OPPOSITE MILE 105.2  
ZERO, NGVD

## WAX LAKE OUTLET AT CALUMET, LA.

1990	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
JAN 23	2.07		754	335	1.64			54.9
FEB 15	4.06		756	314	3.76			118
MAR 20	3.85		758	307	3.68			113
APR 11	3.82		754	340	3.50			119
MAY 29	4.87		758	382	3.48			133
JUN 18	5.30		752	351	3.90			137
JUL 03	3.80		752	342	3.04			104
SEP 11	1.63		752	326	1.51			49.1
SEP 24	0.87		752	319	0.84			26.8
OCT 15	2.15		752	335	0.70			23.6

CONTINUED ON NEXT PAGE

## WAX LAKE OUTLET AT CALUMET, LA.

CONTINUED

## DISCHARGE OBSERVATIONS

DATE	MEAN GAGE READING	MAXIMUM DEPTH	M A I N C H A N N E L		VELOCITIES		OVERBANK	TOTAL
			WIDTH	AREA	MEAN	MAXIMUM	DISCHARGE	DISCHARGE
				100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
1990	FT	FT	FT					
NOV 26	2.15		752	328	1.03			33.8
DEC 26	2.20		752	333	1.75			58.2

MEASUREMENTS TAKEN BY U.S. GEOLOGICAL SURVEY.

DISCHARGE RANGE. MILE 111.67, 1350 FT. DOWNSTREAM FROM U.S. HIGHWAY 90  
BRIDGE. (STA. 0372010.)GAGE. AUTOMATIC TYPE, DOWNSTREAM END OF EAST CALUMET FLOODGATE.  
ZERO, -0.14 FOOT, NGVD

## LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA.

1990	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
JAN 24	2.69		1820	577	2.65			153
FEB 16	5.12		1820	624	4.05			253
MAR 21	5.32		1820	662	3.53			234
APR 12	5.24		1820	648	3.81			247
MAY 30	6.04		1820	654	4.11			269
JUL 04	5.36		1820	633	3.59			227
JUL 26	3.17		1820	610	2.33			142
AUG 23	2.55		1820	563	1.76			98.9
SEP 25	2.04		1820	613	1.40			85.9
OCT 16	2.00		1820	579	1.69			98.0
NOV 26	2.42		1820	590	1.51			89.0
DEC 27	2.95		1820	620	2.64			164

MEASUREMENTS TAKEN BY U.S. GEOLOGICAL SURVEY.

DISCHARGE RANGE. MILE 117.4, 1300 FEET UPSTREAM FROM U.S. HIGHWAY 90  
BRIDGE. (STA. 0378010.)

GAGE. AUTOMATIC TYPE, 400 FEET DOWNSTREAM FROM BRIDGE. ZERO, NGVD

## RED RIVER ABOVE OLD RIVER OUTFLOW CHANNEL (LA.)

1990	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
JAN 31	23.05	85	1022	467	5.11	7.64		239
FEB 08	26.05	88	1043	507	4.55	7.28		231
MAR 15	33.30	93	1206	559	3.91	5.52		219
APR 06	32.65	99	1211	603	4.09	6.17		247
MAY 16	32.60	98	1205	628	4.29	6.86		270
MAY 25	33.20	100	1211	615	4.92	7.53		303
JUN 12	39.25	105	1229	659	3.93	5.48		259
JUN 22	35.95	103	1235	606	4.04	5.96		245
JUL 12	22.70	89	1080	512	2.06	2.85		105
JUL 25	18.20	82	1059	444	0.86	1.37		38.3
AUG 13	13.80	81	1045	416	1.05	1.29		43.5
AUG 29	11.30	78	1024	390	0.74	1.29		28.9
SEP 18	11.20	80	1023	392	0.74	1.04		29.1
OCT 11	8.10	78	1017	366	0.78	1.04		28.7
OCT 25	13.10	84	1045	425	1.38	1.88		58.7
NOV 21	10.10	77	1045	380	0.81	1.04		30.8
DEC 05	10.90	78	1062	393	1.19	1.73		46.7
DEC 27	22.80	89	1172	521	2.38	3.65		124

CONTINUED ON NEXT PAGE



## RED RIVER ABOVE OLD RIVER OUTFLOW CHANNEL (LA.)

CONTINUED

DISCHARGE RANGE. 2.5 MILES UPSTREAM FROM OUTFLOW CHANNEL. (STA. 0480011.)

GAGE. ATCHAFALAYA RIVER AT BARBRE LANDING. STAFF TYPE, OPPOSITE MOUTH OF RED RIVER AT HEAD OF ATCHAFALAYA RIVER. ZERO, NGVD

## LAKE LONG BELOW BAYOU LA ROMPE (LA.)

## DISCHARGE OBSERVATIONS

M A I N C H A N N E L					OVERBANK		TOTAL	
DATE	MEAN GAGE READING	MAXIMUM DEPTH	WIDTH	AREA	VELOCITIES		DISCHARGE	DISCHARGE
					MEAN	MAXIMUM		
1990	FT	FT	FT	SQ FT	FPS	FPS	CFS	CFS
JAN 03	3.80	32	353	5411	0.57	0.80		3090
JAN 11	6.10	35	376	6059	1.10	1.60		6662
JAN 17	8.20	37	382	6790	1.23	1.80		8379
JAN 26	10.70	38	393	7500	1.75	2.10		13111
JAN 31	11.60	39	400	8058	1.87	2.30		15077
FEB 08	13.10	42	431	8855	2.35	2.90		20838
FEB 13	14.75	44	453	9786	2.64	3.10		25809
FEB 23	17.00	46	476	10758	2.95	3.70		31715
FEB 28	17.30	46	484	11038	2.72	3.60		30083
MAR 07	17.70	46	493	10967	2.79	3.70		30616
MAR 13	17.02	44	476	10257	2.63	3.30		26929
MAR 20	15.80	42	464	9519	2.46	3.10		23384
MAR 27	15.86	42	465	9520	2.99	3.60		28446
APR 04	16.35	42	466	9639	3.05	3.60		29445
APR 11	15.05	40	453	9017	2.41	3.00		21720
APR 18	13.65	39	406	8381	2.13	2.70		17810
APR 24	13.18	39	405	8343	1.93	2.40		16080
MAY 09	13.68	39	409	8318	2.33	2.90		19353
MAY 23	15.86	42	468	9589	3.09	3.60		29617
JUN 05	17.90	43	471	10432	3.69	4.50		38470
JUN 19	17.73	42	471	9954	3.38	4.00		33648
JUL 03	14.00	36	402	8178	2.06	2.30		16853
JUL 18	9.76	33	388	6729	1.28	1.80		8610
JUL 30	8.70	32	384	6273	1.26	1.60		7903
AUG 15	6.72	29	372	5433	0.98	1.40		5309
AUG 28	5.48	28	367	4952	0.85	1.20		4187
SEP 12	5.87	28	372	4975	0.90	1.40		4492
SEP 24	4.47	27	362	4546	0.75	1.00		3406
OCT 10	4.22	27	359	4623	0.71	1.10		3294
OCT 23	6.20	29	376	5503	0.87	1.10		4762
NOV 08	6.02	29	372	5430	0.87	1.20		4705
NOV 20	5.00	30	371	5202	0.77	1.20		4031
DEC 04	5.42	30	371	5299	0.85	1.40		4485
DEC 19	7.42	32	377	6076	1.18	1.60		7139

DISCHARGE RANGE. 1000 FEET DOWNSTREAM FROM JUNCTION WITH BAYOU LA ROMPE (STA. 4930012.)

GAGE. AUTOMATIC TYPE AT BAYOU LA ROMPE AT LAKE LONG (LA.) ZERO, NGVD

## LITTLE TENSAS BAYOU BELOW BLIND TENSAS CUT (LA.)

1990	FT	FT	FT	SQ FT	FPS	FPS	CFS	CFS
JAN 03	3.38	18	141	1580	0.42	0.70		663
JAN 11	5.70	19	163	1902	0.48	0.90		914
JAN 17	7.65	21	183	2288	0.86	1.30		1976
JAN 26	10.20	23	179	2577	1.34	1.80		3443
JAN 31	11.00	25	184	2819	1.68	2.10		4742
FEB 08	12.60	27	199	3146	2.09	2.80		6589
FEB 13	14.05	29	211	3494	2.53	3.40		8837
FEB 23	16.10	31	225	4060	2.84	3.70		11535
FEB 28	16.40	33	225	4398	2.98	3.80		13110

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## LITTLE TENSAS BAYOU BELOW BLIND TENSAS CUT (LA.)

CONTINUED

## DISCHARGE OBSERVATIONS

M A I N C H A N N E L						OVERBANK	TOTAL	
DATE	MEAN GAGE READING	MAXIMUM DEPTH	WIDTH	AREA	VELOCITIES		DISCHARGE	DISCHARGE
					MEAN	MAXIMUM		
1990	FT	FT	FT	SQ FT	FPS	FPS	CFS	CFS
MAR 07	16.85	33	228	4401	3.22	4.10		14185
MAR 13	16.20	31	221	4132	2.80	3.90		11579
MAR 20	15.11	29	219	3765	2.56	3.30		9629
MAR 27	15.15	29	218	3764	2.99	3.90		11244
APR 04	15.60	30	217	3839	3.05	3.80		11722
APR 11	14.34	29	194	3511	1.72	2.30		6054
APR 18	13.05	27	186	3246	1.80	2.50		5857
APR 24	12.55	26	184	3073	1.82	2.70		5601
MAY 09	13.00	26	192	3123	2.43	3.20		7582
MAY 23	15.20	28	221	3500	3.05	3.90		10680
JUN 05	17.05	31	224	3953	3.48	4.60		13758
JUN 19	16.95	31	224	3830	3.13	4.20		12007
JUL 03	13.25	27	203	3440	1.61	2.50		5549
JUL 18	9.10	23	178	2686	0.93	1.50		2493
JUL 30	8.08	22	175	2467	1.10	1.50		2724
AUG 15	6.12	20	170	2057	0.94	1.50		1928
AUG 28	5.02	19	164	1830	0.85	1.20		1553
SEP 12	5.39	19	165	1875	0.87	1.40		1624
SEP 24	3.98	17	155	1663	0.78	1.30		1298
OCT 10	3.57	18	152	1674	0.65	1.00		1081
OCT 23	5.58	20	167	2058	0.88	1.30		1810
NOV 08	5.41	20	166	1947	0.86	1.40		1664
NOV 20	4.50	20	165	1799	0.76	1.30		1361
DEC 04	4.78	21	162	1860	0.79	1.20		1466
DEC 19	6.78	22	170	2268	1.05	1.70		2379

DIRECTION OF FLOW, NORTH.

DISCHARGE RANGE, 1500 FEET DOWNSTREAM FROM JUNCTION WITH BLIND TENSAS CUT.  
(STA. 4945012.)GAGE, AUTOMATIC TYPE AT BLIND TENSAS CUT BELOW UPPER GRAND RIVER (LA.)  
ZERO, NGVD

## ATCHAFALAYA BASIN EAST ACCESS CHANNEL ABOVE LAKE CHICOT (LA.)

1990	FT	FT	FT	SQ FT	FPS	FPS	CFS	CFS
JAN 03	3.19	19	173	2373	0.59	0.80		1402
JAN 11	5.18	20	190	2709	1.06	1.50		2873
JAN 17	7.00	22	199	3067	1.38	1.80		4216
JAN 26	9.20	24	206	3473	1.78	2.30		6169
JAN 31	10.10	25	218	3778	2.18	2.70		8233
FEB 08	11.39	27	223	4044	2.57	3.10		10380
FEB 13	12.80	28	225	4398	2.91	3.70		12774
FEB 23	14.70	30	251	4898	3.41	4.30		16726
FEB 28	15.00	31	252	5044	3.43	4.60		17310
MAR 07	15.30	31	256	5016	3.63	4.70		18226
MAR 13	14.80	30	251	4763	3.48	4.60		16575
MAR 20	13.80	29	231	4334	3.27	4.20		14166
MAR 27	13.85	30	235	4368	3.60	4.50		15738
APR 04	14.20	30	238	4431	3.60	4.10		15952
APR 11	13.15	29	224	4163	2.98	3.90		12388
APR 18	11.95	25	220	3846	2.77	3.50		10669
APR 24	11.50	25	218	3781	2.59	3.20		9794
MAY 09	11.95	25	221	3785	2.99	3.70		11316
MAY 23	13.85	27	238	4292	3.62	4.40		15545
JUN 05	15.50	29	246	4720	4.20	4.90		19810
JUN 19	15.40	30	246	4541	3.89	5.20		17665
JUL 03	12.25	25	216	3839	2.39	3.10		9195
JUL 18	8.50	22	204	3210	1.47	2.00		4702
JUL 30	7.55	21	200	3063	1.50	2.10		4588
AUG 15	5.85	19	192	2577	1.27	1.70		3277
AUG 28	4.77	18	189	2351	1.19	1.60		2803
SEP 12	5.18	18	190	2390	1.27	1.70		3023
SEP 24	3.78	17	184	2221	1.00	1.40		2218

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## ATCHAFALAYA BASIN EAST ACCESS CHANNEL ABOVE LAKE CHICOT (LA.)

CONTINUED

## DISCHARGE OBSERVATIONS

DATE	MEAN GAGE READING	MAXIMUM DEPTH	M A I N C H A N N E L		OVERBANK		TOTAL
			WIDTH	AREA	VELOCITIES		DISCHARGE
					MEAN	MAXIMUM	
1990	FT	FT	FT	SQ FT	FPS	FPS	CFS
OCT 10	3.47	17	180	2211	0.94	1.20	2083
OCT 23	5.30	18	191	2422	1.15	1.50	2783
NOV 08	5.17	19	190	2539	1.21	1.70	3076
NOV 20	4.29	20	189	2436	1.09	1.50	2661
DEC 04	4.60	19	187	2527	1.13	1.50	2844
DEC 19	6.40	21	196	2844	1.37	1.80	3907

DIRECTION OF FLOW, EAST.

DISCHARGE RANGE. 1700 FEET ABOVE LAKE CHICOT. (STA. 4959009.)

GAGE. STAFF TYPE, RANGE 15. ZERO, NGVD

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